



DSP Specifications *iD4 & iD7*

Audio Performance

Dynamic Range (Inputs)	120 dB
Dynamic Range (Outputs)	117 dB
Frequency Range	20 Hz - 40 kHz
Sampling Rate	96 kHz, 64 bit digital processing
Latency	600 microseconds only

Audio Control Parameters

Number of Param. Filters	10 on each input and each output
Filter Settings	Bell, Shelving, Notch or Allpass
Crossover Filters	Butterworth, Bessel, Linkwitz-Riley filters up to 24 dB / octave
Input Delay	max. 1 s on each input
Output Delay	max. 20 ms on each output
Limiters	Limiter on each input and each output
Compressor	Multiband compressor
Input Gain	-48 dB to +12 dB
Phase Inversion	180° reversal

Features

Inputs	2 AES/EBU and 2 analogue inputs
Routing	Configurable routing of each input to each output
Number of Presets	50
Configuration	via PC (software included)
Monitoring	Real-time via PC (software included)
Grouping	Grouping functions available
Software	available for Windows XP, Windows 7 and Mac OS

Amplifier Specifications

Power Specifications		<i>iD4</i>	<i>iD7</i>
Stereo All channels driven @ 1 kHz, THD < 1%	16 Ω	600 W	800 W
	8 Ω	1100 W	1450 W
	4 Ω	1900 W	2500 W
	2 Ω	1500 W	3500 W
Mono Bridge @ 1 kHz, THD < 1%	16 Ω	1900 W	2700 W
	8 Ω	1500 W	4600 W
Max. Output Voltage		140 V _p / 280 V _{pp}	160 V _p / 320 V _{pp}
Output Circuitry		Class H	Class H

Audio Performance	<i>iD4</i>	<i>iD7</i>
Signal To Noise-Ratio 20 Hz - 20 kHz, 8 Ω load	> 105 dB (A-weighted) > 102 dB (unweighted)	> 110 dB (A-weighted) > 107 dB (unweighted)
THD+N (typical) 20 Hz - 10 kHz, 4 Ω, 120 W output	< 0,02%	< 0,01%
Damping Factor 8 Ω load, 1 kHz and below	> 400	> 400
Frequency Response 4 Ω, 120 W output	20 Hz - 20 kHz ± 0.2 dB	20 Hz - 20 kHz ± 0.15 dB

Features	<i>iD4</i>	<i>iD7</i>
Input Impedance	29 kΩ balanced	29 kΩ balanced
Voltage Gain	32 dB	32 dB
Protection Circuits	Inrush-current limitation, protection circuits against power-on/off transients, temperature monitoring, output DC protection, temperature dependent power transistor SOA protection, intelligent mains fuse protection	
Indicators	LEDs for SIGNAL/PROTECT, CLIP, LCD (2 x 16 characters)	

Dimensions	<i>iD4</i>	<i>iD7</i>
Net Weight	9.4 kg / 20.7 lbs	12.4 kg / 27.3 lbs
Shipping Weight	11 kg / 24.3 lbs	15 kg / 33.1 lbs
Dimensions (WxHxD)	483 x 88.1 x 419 mm 19 x 3.5 x 16.5 in. (19"/2U)	483 x 88.1 x 436 mm 19 x 3.5 x 17.2 in. (19"/2U)
Shipping Dim. (WxHxD)	600 x 105 x 527 mm 23.3 x 4.1 x 20.7 in.	540 x 135 x 615 mm 21.3 x 5.3 x 24.2 in.

All specifications subject to change without prior notice