

# AIA DSP SERIES AMPLIFIERS

DSP Series	DSP4-6K2	DSP4-10K4
DSP Channels	4	4
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Output Power 230V @2Ω	4 x 1.450W	4 x 2.500W
Output Power 230V @4Ω	4 x 1.500W	4 x 2.500W
Bridged: Output Power 230V @4Ω	2 x 2.900W / 2 x 1.500W + 1 x 2.900W	2 x 5.000W / 2 x 2.500W + 1 x 5.000W
Output Power 230V @8Ω	4 x 1.100W	4 x 1.600W
Bridged: Output Power 230V @8Ω	2 x 3.000W / 2 x 1.100W + 1 x 3.000W	2 x 5.000W / 2 x 1.600W + 1 x 5.000W
W x H x D (mm)	483 x 87,5 x 335	483 x 87,5 x 335
W x H x D (inch)	19 x 3,5 x 13,2	19 x 3,5 x 13,2
Weight (kg)	8,5	8,5
Weight (lbs)	18,7	18,7
Converter	High Performance 96kHz/24 bits AD/DA converters, 64 bit double-precision 96kHz DSP process	
Process latency time	0,85 ms minimum	
IIR EQ section (4x)	XOver HP, Gain, Mute, Phase inversion, Delay (up to 333ms, 114m), 10 EQ filters (Parametric, Shelving, LP, HP, BP, SB, AP)	
Network Switch	2ports Ethernet switch for daisy chain connection	
Controlling	Software via Ethernet or USB	
Speaker Output	Neutrik	Neutrik
Input	XLR	XLR
Input Optional	Dante AES67	Dante AES67
Voltage Gain	26 dB to 44 dB (1 dB Step)	26 dB to 44 dB (1 dB Step)
Sensitivity	1,4V	2,1V
Signal-to-Noise Ratio	106 dBA	107,5 dBA
Required AC Mains VAC (50Hz-60Hz)	170 – 265 90 – 140 (opt.)	170 – 265 90 – 140 (opt.)
Total Harmonic Distortion	<0,05%	
Intermodulation Distortion	<0,05%	
Crosstalk 20Hz – 1kHz	>70dB	
Protections	Soft-start, Turn-on Turn-off transients, Muting at turn-on, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, Overloaded power supply, ICL™, PMS™, and SSP™	
Technical modifications subject to change without further notice		