

D Series DSP Amplifiers

D14K4-DSP | D8K4-DSP | D5K4-DSP



The Danley Sound Labs D series amplifiers are professional audio amplifiers designed for high-end sound reinforcement and installation applications. These amplifiers offer exceptional sound quality, reliability and versatility, making them suitable for a wide range of applications including live sound, touring, fixed installations and more.



The Danley Sound Labs D series amplifiers feature a powerful Class-D power stage that delivers high output power, high efficiency, and low heat generation. They also feature a powerful processing suite which includes FIR filtering, 4 local + 4 additional aux DSP channels (also supplied to the network) and optional Dante networking (on Dante models).

Additionally, the D series amplifiers feature advanced protection circuitry that ensures the safety of the equipment and speakers, including over-current protection, short circuit protection, thermal protection, and a soft-start function to minimize the inrush current. The amplifiers also have Danley loudspeaker presets available for easy configuration.

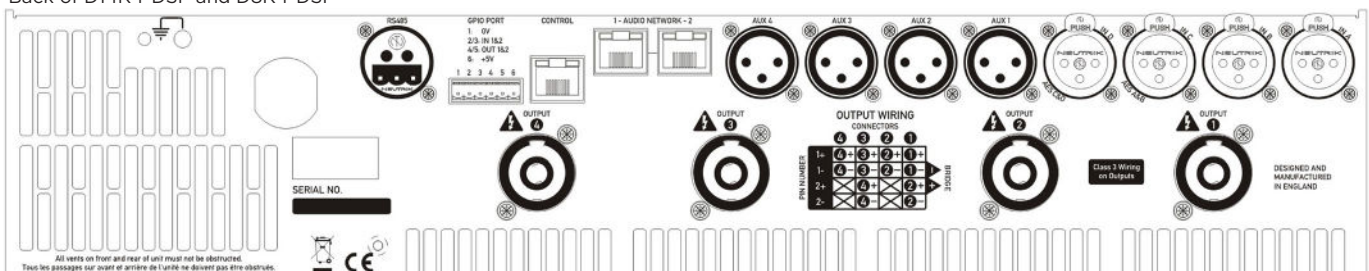
The Danley Sound Labs D series amplifiers are ideal for professionals who require high-quality sound reinforcement and installation systems. With their powerful performance, reliable protection features, and flexible input/output options, these amplifiers are a reliable choice for any application.

Model	D14K4-DSP	D8K4-DSP	D5K4-DSP
Channels	4	4	4
Output @ 2Ω	3500W	2000W	1200W
Output @ 2.7Ω	3700W	2200W	1400W
Output @ 4Ω	2700W	2000W	1000W
Output @ 8Ω	1400W	1000W	500W
Bridged @ 4Ω	7000W	4000W	2400W
Bridged @ 8Ω	5400W	4000W	2000W

Mains (V)	Load (R)	Current Draw (I)					
		Light	Heavy	Light	Heavy	Light	Heavy
240	4Ω	4.1	15.7	2.8	10.3	1.7	5.8
240	8Ω	3.2	9.6	2.2	6.3	1.4	3.7
120	4Ω	8.7	31.9	5.9	21	3.6	11.7
120	8Ω	6.9	19.6	4.7	12.9	3.0	7.7

Light = Crest factor of 7.8 (18dB) Heavy = Crest factor of 2.8 (9dB)

Back of D14K4-DSP and D8K4-DSP



Rev. 2023.03.10

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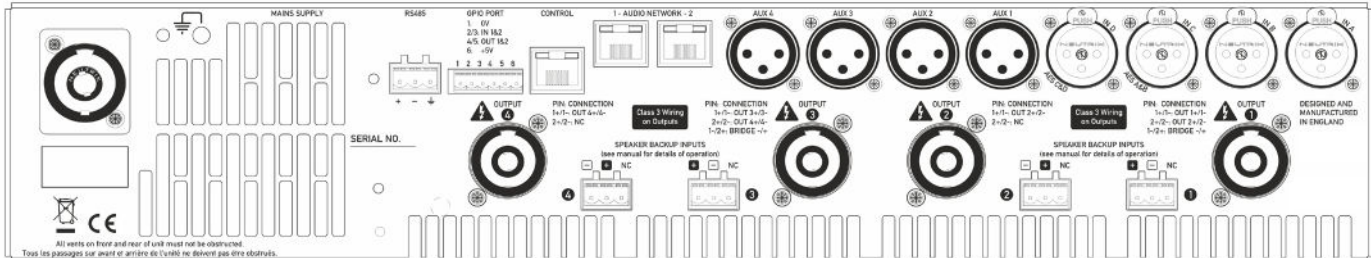


Model	D14K4-DSP	D8K4-DSP	D5K4-DSP
Channels	4	4	4
Gain/Sensitivity	32dB / 10.7 dBu	32dB / 8.8 dBu	32dB / 6.2 dBu
Weight	24 lbs - 10.9kg	23 lbs - 10.3kg	22 lbs - 10.0kg
Boxed	27 lbs - 12.4kg	26 lbs - 11.8kg	26 lbs - 12.0kg

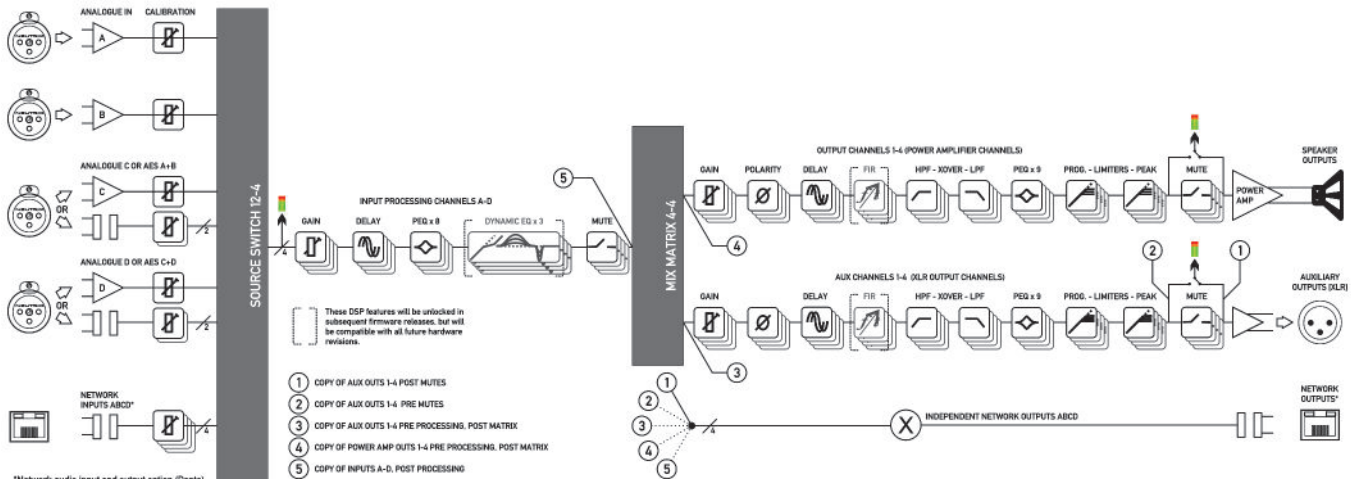
Dimensions	3.46"(h) x 18.98"(w) x 16.85" (d) 88 (h) x 482(w) x 428(d)
Boxed	9.84 x 24.02 x 23.6 250 x 610 x 600

Bit Depth & Sample Rate	24 bit ADCs and DACs, 96kHz sampling and processing throughout
AES and Networked Audio	44.1kHz - 192kHz
THD%	@1kHz < 0.08% 20 Hz to 20 kHz < 0.1%
Frequency Response	20 Hz-20 kHz +0/-0.5 dB
Protection Limiters	RMS Fully Variable x 8; Look Ahead (zero overshoot] Peak Limiter x 8 Output short circuit, DC; Over-temperature; Mains in-rush control, over voltage, over current.
Power Supply	100/120V or 220/240V tapped transformer according to customer requirements.

Back of D5K4-DSP



Signal Flow Chart



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