

DSL A Series Professional Amplifiers



Danley Sound Labs amplifiers are designed to achieve unsurpassed sonic performance and long-term reliability under extreme stress in touring or fixed installation applications. Absolute sonic accuracy is the hallmark of every Danley amplifier. Bass is solid and defined to the limits of audibility with ample current reserves. Wide-bandwidth output devices ensure detailed, transparent high frequency response. And, thanks to the exclusive IGM™ circuit, the DSLA Series will drive 2Ω loads safely without compromising performance.

Construction and Quality Control

The DSLA is built exclusively in a USA manufacturing facility, with internal components selected for premium quality and proven durability. Each modular subassembly is pre-tested, and the assembled DSLA receives a rigorous “hot room” burn-in before thorough final checkout on precision test equipment.

DSL A Features:

- Dramatically reduced net weight
- Latest generation of high speed, wide-bandwidth output devices
- Dual, variable speed fans
- Balanced XLR inputs
- Speakon® and 5-way binding post speaker outputs
- Mode selector switch for stereo, parallel and bridged-mono operation
- Input sensitivity selection
- Recessed, stepped attenuators
- Front panel circuit - breaker switch

ACL™ (Active Clip Limiting) prevents speaker damage by providing gentle gain reduction when the signal approaches the clipping threshold.

IGM™ (Instantaneous Gain Modulation) monitors speaker loads to detect conditions that may overstress output devices. This allows safe operation into nominal 2Ω speaker loads.

AUTORAMP™ gradually increases gain to the attenuator level settings when the amplifier is turned on. This prevents abrupt turn-on level.

Other protection features include: short circuit, DC voltage, comprehensive thermal management and current in-rush turn-on/off; transient sub-sonic input.

	DSLA 1.7K	DSLA 3.3K	DSLA 4.5K	DSLA 6.5K
Stereo Mode				
(2 x 2 Ohms): @ 1 kHz <0.1% T.H.D. per channel	850 W	1,650 W	2,250 W	3,250 W
(2 x 4 Ohms): @ 1 kHz at <0.05% T.H.D. per channel	525 W	1,000 W	1,450 W	2,200 W
(2 x 8 Ohms): @ 1 kHz at <0.025% T.H.D. per channel	290 W	590 W	825 W	1,300 W
(1 x 2 Ohms): @ 1 kHz at <0.1% T.H.D.	950 W	2,000 W	2,800 W	4,200 W
(1 x 4 Ohms): @ 1 kHz at <0.05% T.H.D.	550 W	1,150 W	1,600 W	2,550 W
(1 x 8 Ohms): @ 1 kHz at <0.025% T.H.D.	300 W	625 W	880 W	1,450 W
Bridge Mode				
4 Ohms: @ 1 kHz at <0.1% T.H.D.	1,700 W	3,300 Watts	4,500 W	6,500 W
8 Ohms: @ 1 kHz at <0.1% T.H.D.	1,050 W	2,000 Watts	2,900 W	4,400 W
Maximum RMS voltage swing:	52 Volts	75 Volts	90 Volts	113 Volts
Power bandwidth: 10 Hz - 30 kHz; +0, -2 dB	525 W 8 Ohm	1000 Watts 8 Ohm	1000 Watts 8 Ohm	1000 Watts 8 Ohm
T.H.D.:				
(2 x 2 Ohms): 20 Hz to 20 kHz	<0.1% @ 700 W	<0.2% @ 1,475 W	<0.2% @ 1,900 W	<0.1% @ 2,350 W
(2 x 4 Ohms): 20 Hz to 20 kHz	<0.1% @ 450 W	<0.15% @ 950 W	<0.15% @ 1,300 W	<0.1% @ 1,950 W
(2 x 8 Ohms): 20 Hz to 20 kHz	<0.1% @ 250 W	<0.1% @ 550 W	<0.15% @ 775 W	<0.1% @ 1,200 W
Crosstalk: @ 1 kHz at rated power @ 8 Ohms	>-65 dB	>-70 dB	>-70 dB	>-70 dB
Slew rate:	>10V/us	>15V/us	>15V/us	>10V/us
Input sensitivity: (x 40)				
4 Ohm rated power	1.12 Volts ±3%	1.58 Volts ±3%	1.87 Volts ±3%	2.35 Volts ±3%
1 kHz 2 Ohm rated power	2 Volts ±3%	2 Volts ±3%	2 Volts ±3%	2 Volts ±3%
Input sensitivity: (x 20)				
4 Ohm rated power	4.7 Volts ±3%	3.16 Volts ±3%	3.74 Volts ±3%	4.7 Volts ±3%
1 kHz 2 Ohm rated power	4 Volts ±3%	4 Volts ±3%	4 Volts ±3%	4 Volts ±3%
Current Draw				
1/8 power @ 2 Ohms	1,380 W	1,400 Watts	1,875 W	3,350 Watts
1/8 power @ 4 Ohms	875 W	875 Watts	1,250 W	2,200 W
Current Draw				
1/3 power @ 2 Ohms	2,100 W	3,900 Watts	4,350 W	7,300 W
1/3 power @ 4 Ohms	1,310 W	2,500 Watts	3,050 W	5,000 W
Thermal Emissions @ 1/3 power: @ 4 Ohms bridged	7,165	13308	14843	24909
Class:	AB	H	H	H
Frequency response: at 1 Watt	10 Hz - 100 kHz;+0,-2 dB	10 Hz - 100 kHz;+0,-2 dB	10 Hz - 100 kHz;+0,-3 dB	10 Hz - 100 kHz;+0,-3 dB
Hum and noise: "A" weighted @ 8 Ohms	>-110 dB	>-110 dB	>-110 dB	>-113 dB
	DSLA 1.7K & DSLA 3.3K		DSLA 4.5K & DSLA 6.5K	
Power Connectors:	120 Volt 15 amp IEC or 240/230 Volt 20 amp IEC		120 volt L5-30 amp or 240/230 120 volt L5-30 amp	
All Models				
Input CMRR: @ 1 kHz	>-85 dB			
Voltage gain:	x 40 (32 dB) or x 20 (26 dB)			
Damping factor (8 Ohms):	>300:1 @ 20 Hz - 1 kHz			
Phase response:	+5 to -15°			
from 20 Hz to 20 kHz				
Input impedance:	15 k Ohms, balanced			
Minimum load impedance:	2 Ohms			
Cooling:	Two temperature dependent variable speed 80 mm high output DC fans			
Controls:	Two front panel attenuators, rear panel mode switch and gain select switch			
Indicator LEDs:	2 ACL (clip limiting), 2 signal presence, 2 active status, 2 DC protect, 2 temperature limit			
Protection:	Thermal, DC, turn-on bursts, subsonic, incorrect loads			
Audio Connectors:	XLR, Speakon and Binding Post speaker output			
Construction:	16 ga. steel with 5 mm aluminum front panel			
Dimensions:	89 mm x 483 mm x 311 mm + 38 mm for rear support ears and connectors (3.5" x 19" x 12.25" + 1.5")			
Net weight:	10.9 kg. (24 lbs.), Gross weight: 13.2 kg. (29.1 lbs.)			
Warranty:	Five years parts and labor			
Country of manufacture:	United States			

Specifications subject to change without notice.