

DLA 7500 with built in DSP



Designed for years of reliable, flawless operation under rigorous use, the groundbreaking DLA series utilizes an advanced design that dramatically reduces weight, while increasing output power, reliability and thermal efficiency. Best of all, it is pre-loaded with a custom library of Danley product presets, so, dialing in great sound has never been easier! DLA Series amplifiers are also designed with a resonant switch-mode power supply and a high speed class D topology that yields the highest audio resolution and efficiency available.

This revolutionary amplifier offers the sonic superiority and unsurpassed reliability, in an extremely efficient and lightweight design. Advanced technology and extensive protection circuitry allow operation with greater efficiency into difficult loads and power conditions. In other words, you get an amazingly powerful and efficient amplifier that won't break your budget or your back! The ACL™ (Automatic Clip Limiting) circuitry ensures trouble-free operation into loads as low as 2 ohms. ACL™ protects drivers and ensures that sonic integrity is maintained, even in extreme overload conditions. The DLA high-efficiency design allows the amplifier to operate at very low temperatures, and does not require massive heat sinks to cool.

DLA Features:

- ACL™ protection
- Revolutionary class D topology
- Detented input controls
- Combination XLR 1/4" inputs
- 4 pole twist lock output connectors
- Ultra-light weight
- Individual signal pass XLR jacks on each channel
- LED illuminated
- Standby, LED power present indication
- Light weight

DSP Features:

- Custom pre-loaded Danley Product presets
- 2 channel independent crossovers
- Individually adjustable limiters
- (4) End-user configurable presets
- ACL™ protection
- LED illuminated
- DSP-based Loudspeaker Management System
- 120 ms of delay per channel
- 4 bands of parametric equalization per channel
- Security lock
- Adjustable fourth-order high-pass filter each channel
- MAXX Bass®
- Horn EQ each channel
- Blue, backlit LCD screen

Specifications:

Dimensions

3.5"x19"x 17.25" behind front panel + 0.75" for handle
Weight

Net Weight - 6.9kg (15.2lbs.) - does not include power cord.

Gross Weight - 8.6kg (19.0lbs.)

DLA 7500	
Rated Watts 2ch x 2 ohms	4800 watts 20ms repetitive burst / 3790 watts 1% THD both channels driven @ 1kHz.
Rated Watts 2ch x 4 ohms	2810 watts 20ms repetitive burst / 2450 watts 1% THD / 2030 watts 0.15% THD, both channels driven @ 1kHz.
Rated Watts 2ch x 8 ohms	1550 watts 20ms repetitive burst / 1425 watts 1% THD / 1200 watts 0.15% THD, both channels driven @ 1kHz.
Minimum Impedance	2 ohms
Maximum RMS Voltage Swing	124 volts
Frequency Response	20Hz - 25kHz; +0dB, -3dB
20Hz - 20kHz 2ch x 2 ohms	<0.5% @ 3390 watts 20Hz to 4kHz, decreasing to 3100 watts @ 20kHz, both channels driven
20Hz - 20kHz 2ch x 4 ohms	<0.15% @ 1850 watts 20Hz to 20kHz, both channels driven.
20Hz - 20kHz 2ch x 8 ohms	<0.15% @ 1170 watts 20Hz to 20kHz, both channels driven.
Input CMRR	> -75dB @ 1 kHz.
Voltage Gain	x 40 (+32dB)
Crossover	100Hz switchable 2nd order high pass and 3rd low pass per channel.
Hum and Noise	> -100dB, "A" weighted referenced to rated power @ 4 ohms.
Slew Rate	> 12V/ μ s
Damping Factor (8 ohms)	> 200:1 @ 20Hz - 1kHz @ 8 ohms
Input Sensitivity	2.25 volts +/- 3% for 1kHz 4 ohm rated power, 2.2 volts +/- 3% for 1kHz 2 ohm rated power
Input Impedance	20 kilohms, balanced and 10 kilohms unbalanced.
Current Draw @ 1/8 in VA (watts)	2210 (1440) @ 2 ohms, 1550 (950) @ 4 ohms, 985 (560) @ 8 ohms
Current Draw @ 1/3 in VA (watts)	4260 (3150) @ 2 ohm, 3120 (2160) @ 4 ohms, 1890 (1200) @ 8 ohms
Idle Consumption	250VA, 120 watts.
Cooling	3 temperature dependent variable speed fans
Controls	2 front panel attenuators
Indicator LEDs	Five LED indicators per channel: Active, Signal, ACL, Temperature and DC
Protection	Thermal, DC, subsonic, incorrect loads, under and over voltage
Connectors	Dual combination 1/4" XLR, Outputs: Dual XLR thru, one 2-pin & one 4 pin twist-lock connector
Construction	0.062" thick aluminum
Dimensions	3.5"x19"x 17" behind front panel + 0.6" for handle
Net Weight	6.91kg (15.2lbs.*)
Gross Weight	8.6kg (19.0lbs.)

Rated power readings made with BW: 20 Hz to 22 kHz. All power measurements made @ 120 VAC or 240VAC.

2 ohm steady state sine wave power is time limited by circuit breaker.

Bridge operation is not possible.

*Net Weight does not include power cord.