

Christie CDA7.5 Professional power amplifier



7500W in a sleek, efficient and powerful Class D design

Ideal for cinema audio applications, the Christie® CDA7.5 professional power amplifier utilizes an advanced high-speed Class D architecture and high current switch mode power supply. It offers high-power output and efficiency with very low heat output and fast transient response and stability, even with low impedance loads. The Christie CDA7.5 handles a range of demanding applications with ease.

Key features

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| Class D architecture | 2030W per channel at 4 ohms @ <0.1% THD |
| High-power output, high efficiency and stable performance | Switch mode power supply |
| Two channels of independent, fourth-order 100Hz crossovers | Neutrik XLR / TRS 1/4" inputs, balanced +4dB professional level |
| Active, Signal Present, DC Protection and Thermal LED indicators | Neutrik Speakon high current locking output connectors |
| Stepped input level controls | Limited three year warranty |

Reliability and quality built in

Designed for long-term continuous operation, the Christie CDA7.5 features high quality components, including extra large capacitors and inductors, automatic clip limiting circuitry and DC voltage protection with LED status indicators to prevent damage to speakers.



Specifications		
Rated power	2 x 2 ohms	• 3790W per channel @ 1kHz 1% T.H.D. both channels driven
	2 x 4 ohms	• 2030W per channel @ 1kHz at <0.1% T.H.D. both channels driven
	2 x 8 ohms	• 1170W per channel @ 1kHz at <0.1% T.H.D. both channels driven
	1 x 2 ohms	• 3900W @ 1kHz at <0.1% T.H.D.
	1 x 4 ohms	• 2400W @ 1kHz at <0.1% T.H.D.
	1 x 8 ohms	• 1300W @ 1kHz at <0.1% T.H.D.
Minimum load impedance		• 2 ohms
Maximum RMS voltage swing		• 124V
Frequency response		• 20Hz-30kHz; 0.0 dB, -3.0 dB @ 1W
T.H.D.	2 x 2 ohms	• <0.5% @ 3390W per channel from 20Hz-4kHz, decreasing to 3100W @ 20 kHz
	2 x 4 ohms	• <0.1% @ 1850W per channel from 20Hz-20kHz
	2 x 8 ohms	• <0.1% @ 1170W per channel from 20Hz-10kHz, increasing to 1350 watts @ 20 kHz
Input CMRR		• >-75dB @ 1kHz
Voltage gain		• x40 (+32dB)
Crossover		• 100Hz switchable 2nd order high pass and 3rd order low pass per channel
Crosstalk		• >-60dB @ 1kHz at 1000Ws power @ 8 ohms
Hum and noise		• >-100dB, "A" weighted referenced to rated power @ 4 ohms
Slew rate		• >12V/μs
Damping factor (8 ohms)		• >200:1 @ 20Hz-1kHz @ 8 ohms
Phase response		• +15 to -85° from 20Hz-20kHz
Input sensitivity		• 2.25V ±3% for 1kHz 4 ohm rated power • 2.20V ±3% for 1kHz 2 ohm rated power
Input impedance		• 20k ohms balanced • 10k ohms unbalanced
Current draw	@ 1/8 power	• 1348W @ 2 ohms • 757W @ 4 ohms • 504W @ 8 ohms
	@ 1/3 power	• 3185W @ 2 ohms • 1654W @ 4 ohms • 907W @ 8 ohms
Cooling		• 3 temperature dependent variable speed fans
Controls		• 2 front panel attenuators • Crossover select switch for High Out, Normal and Subwoofer
Indicator LEDs		• 2 ACL (clip limiting) • 2 signal presence • 2 active status • 2 temp • 2 DC protect
Protection		• Thermal • DC • Subsonic • Incorrect loads • Under and over voltage
Connectors	inputs	• Neutrik Dual Combi 1/4" XLR
	outputs	• Dual 1/4" signal patch • Neutrik Speakon Dual 4-pin twist-lock connectors
Construction		• 0.062" thick aluminum
Dimensions		• (LxWxH) 17.5 x 19 x 3.5" (444 x 482 x 89mm) behind front panel + 0.75" for front panel
Net weight		• 15.2lbs (6.9kg) ¹
Gross weight		• 19.0lbs (8.6kg)
Warranty		• Limited three year warranty

Rated power readings made with BW: <10Hz to 22kHz. All power measurements made at 120 VAC.

2 ohm power is time limited by circuit breaker.

Input power requirements: 120 VAC, 60Hz, 17.5A.

¹ Net weight does not include power cord.

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