

Christie CDA5 Professional power amplifier

5000W in a sleek, efficient and powerful Class D design

Ideal for cinema audio applications, the Christie® CDA5 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 CDA5 handles a range of demanding applications with ease.

Key features

Class D architecture	1500W 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



CHRISTIE®
VIVE AUDIO

Reliability and quality built in

Designed for long-term continuous operation, the Christie CDA5 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	• 2500W per channel @ 1kHz 0.35% T.H.D. both channels driven
	2 x 4 ohms	• 1500W per channel @ 1kHz at <0.1% T.H.D. both channels driven
	2 x 8 ohms	• 850W per channel @ 1 kHz at <0.1% T.H.D. both channels driven
	1 x 2 ohms	• 2800W @ 1kHz at <0.1% T.H.D.
	1 x 4 ohms	• 1700W @ 1kHz at <0.1% T.H.D.
	1 x 8 ohms	• 925W @ 1kHz at <0.1% T.H.D.
Minimum load impedance		• 2 ohms
Maximum RMS voltage swing		• 105V
Frequency response		• 20Hz-30kHz; 0.0 dB, -3.0 dB @ 1W
T.H.D.	2 x 2 ohms	• <0.2% @ 2000W per channel from 20Hz-4kHz, decreasing to 1500W @ 20 kHz
	2 x 4 ohms	• <0.1% @ 1400W per channel from 20Hz-20kHz
	2 x 8 ohms	• <0.1% @ 830W per channel from 20Hz-20kHz, increasing to 1000W @ 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 700Ws power @ 8 ohms
Hum and noise		• >-105dB, "A" weighted referenced to rated power @ 4 ohms
Slew rate		• >12V/μs
Damping factor (8 ohms)		• >210:1 @ 20Hz-1kHz @ 8 ohms
Phase response		• +5 to -91° from 20Hz-20kHz
Input sensitivity		• 1.94V ±3% for 1kHz 4 ohm rated power • 1.79V ±3% for 1kHz 2 ohm rated power
Input impedance		• 20k ohms balanced • 10k ohms unbalanced
Current draw	@ 1/8 power	• 848W @ 2 ohms • 522W @ 4 ohms • 338W @ 8 ohms
	@ 1/3 power	• 2077W @ 2 ohms • 1200W @ 4 ohms • 696W @ 8 ohms
Cooling		• 3 temperature dependent variable speed fans
Controls		• 2 front panel attenuators • Crossover select switch for H.P.F, Normal and L.P.F.
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		• 14.2lbs (6.4kg) ¹
Gross weight		• 18lbs (8.2kg)
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, 12A.

¹ Net weight does not include power cord.

Corporate offices

Christie Digital Systems USA, Inc.
USA – Cypress
ph: 714 236 8610

Christie Digital Systems Canada Inc.
Canada – Kitchener
ph: 519 744 8005

Worldwide offices

Australia
ph: +61 (0) 7 3844 9514

Brazil
ph: +55 (11) 2548 4753

China (Beijing)
ph: +86 10 6561 0240

China (Shanghai)
ph: +86 21 6278 7708

Eastern Europe and
Russian Federation
ph: +36 (0) 1 47 48 100

France
ph: +33 (0) 1 41 21 44 04

Germany
ph: +49 2161 664540

India
ph: +91 (080) 6708 9999

Japan (Tokyo)
ph: 81 3 3599 7481

Korea (Seoul)
ph: +82 2 702 1601

Republic of South Africa
ph: +27 (0)11 510 0094

Singapore
ph: +65 6877 8737

Spain
ph: +34 91 633 9990

United Arab Emirates
ph: +971 4 3206688

United Kingdom
ph: +44 (0) 118 977 8000

Independent sales
consultant offices

Italy
ph: +39 (0) 2 9902 1161



Kitchener, Ontario

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