

## CDA5

Mainstream cinema | Immersive auditoriums | Post production | Premium large format

Exceptionally powerful and efficient Class D amplification for distortion-free signal reproduction

CHRISTIE®  
VIVE AUDIO



### CLASS D AMPLIFICATION

Cinema's first highly efficient and reliable amplifier

#### Key features:

- › **Versatile and reliable** – Designed for long-term continuous operation for a range of applications
- › **Easy to diagnose** – Active, signal present, DC protection, and thermal LED indicators
- › **Multi-mode functionality** – parallel/ stereo mode switch with high current switch mode power supply
- › **Perfect match** – high current capability and fast transient response makes it ideal for all loudspeakers
- › **Powerfully efficient output** – high-power, low-heat, high stability even with low impedance loads



## Specifications

## Christie CDA5

<b>Rated power</b>	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.
<b>Minimum load impedance</b>		• 2 ohms
<b>Maximum RMS voltage swing</b>		• 105V
<b>Frequency response</b>		• 20Hz-30kHz; 0dB, -3dB @ 1W
<b>T.H.D.</b>	2 x 2 ohms	• <0.2% @ 2000W per channel from 20Hz-4kHz, decreasing to 1500W @ 20kHz
	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 @ 20kHz
<b>Input CMRR</b>		• >-75dB @ 1kHz
<b>Voltage gain</b>		• x40 (+32dB)
<b>Crossover</b>		• 100Hz switchable 2nd order high pass and 3rd order low pass per channel
<b>Crosstalk</b>		• >-60dB @ 1kHz at 700Ws power @ 8 ohms
<b>Hum and noise</b>		• >-105dB, "A" weighted referenced to rated power @ 4 ohms
<b>Slew rate</b>		• >12V/μs
<b>Damping factor (8 ohms)</b>		• >210:1 @ 20Hz-1kHz @ 8 ohms
<b>Phase response</b>		• +5 to -91° from 20Hz-20kHz
<b>Input sensitivity</b>		• 1.94V ±3% for 1kHz 4 ohm rated power • 1.79V ±3% for 1kHz 2 ohm rated power
<b>Input impedance</b>		• 20k ohms balanced • 10k ohms unbalanced
<b>Current draw</b>	@ 1/8 power	• 848W@2ohms • 522W@4ohms • 338W@8ohms
	@ 1/3 power	• 2077W@2ohms • 1200W@4ohms • 696W@8ohms
<b>Cooling</b>		• 3 temperature dependent variable speed fans
<b>Controls</b>		• 2 front panel attenuators • Crossover select switch for H.P.F, Normal and L.P.F.
<b>Indicator LEDs</b>		• 2 ACL (clip limiting) • 2 signal presence • 2 active status • 2 temp • 2 DC protect
<b>Protection</b>		• Thermal • DC • Subsonic • Incorrect loads • Under and over voltage
<b>Connectors</b>	inputs	• Neutrik Dual Combi 1/4" XLR
	outputs	• Dual 1/4" signal patch • Neutrik Speakon Dual 4-pin twist-lock connectors
<b>Construction</b>		• 0.062" thick aluminum
<b>Dimensions</b>		• (LxWxH) 17.5 x 19 x 3.5" (444 x 482 x 89mm) behind front panel + 0.75" for front panel
<b>Net weight</b>		• 14.2lbs (6.4kg) <sup>1</sup>
<b>Gross weight</b>		• 18lbs (8.2kg)
<b>Warranty</b>		• Limited 5-year warranty

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Rated power readings made with BW: <10Hz-22kHz. All power measurements made at 120 VAC. 2 ohm power is time limited by circuit breaker. Input power requirements: 120 VAC, 60Hz, 5A.

<sup>1</sup> Net weight does not include power cord.

For the most current specification information, please visit [christiedigital.com](http://christiedigital.com)

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