

# Christie Vive Audio

## CDA Series

### CDA2 2000W class D amplifier



Technical Specifications		Christie CDA2
Rated power	bridge 4 ohms	• 1960W @ 1kHz 1% T.H.D.
	bridge 8 ohms	• 1160W @ 1kHz 1% T.H.D.
	2 x 2 ohms	• 980W per channel @ 1kHz 1% T.H.D. both channels driven
	2 x 4 ohms	• 540W per channel @ 1kHz at <0.1% T.H.D. both channels driven
	2 x 8 ohms	• 275W per channel @ 1kHz at <0.1% T.H.D. both channels driven
	1 x 2 ohms	• 1050W @ 1kHz at <0.1% T.H.D.
	1 x 4 ohms	• 600W @ 1kHz at <0.1% T.H.D.
	1 x 8 ohms	• 290W @ 1kHz at <0.1% T.H.D.
Minimum load impedance		• 2 ohms
Maximum RMS voltage swing		• 56V
Frequency response		• 10Hz-45kHz; 0dB, -3dB @ 1W
T.H.D.	2 x 2 ohms	• <0.1% @ 800W per channel from 20Hz-10kHz, decreasing to 760W @ 20kHz
	2 x 4 ohms	• <0.1% @ 500W per channel from 20Hz-20kHz
	2 x 8 ohms	• <0.1% @ 270W per channel from 20Hz-20kHz
Input CMRR		• >-77dB @ 1kHz
Voltage gain		• x60 (+35dB)
Crossover		• 100Hz switchable 2nd order high pass and 3rd order low pass per channel
Crosstalk		• >-70dB @ 1kHz at 100W power @ 4 ohms
Hum and noise		• >-100dB, "A" weighted referenced to rated power @ 4 ohms
Slew rate		• >12V/μs
Damping factor (8 ohms)		• >250:1 @ 20Hz-1kHz @ 8 ohms
Phase response		• +6 to -70° from 20Hz-20kHz
Input sensitivity		• 0.775V ±3% for 1kHz 4 ohm rated power • 0.735V ± 3% for 1kHz 2 ohm rated power
Input impedance		• 15k ohms balanced • 7.5k ohms unbalanced
Current draw	@ 1/8 power	• 620W @ 2 ohms • 390W @ 4 ohms • 250W @ 8 ohms
	@ 1/3 power	• 1250W @ 2 ohms • 810W @ 4 ohms • 460W @ 8 ohms
Cooling		• Temperature dependent variable speed 80mm DC fan
Controls		• 2 front panel attenuators • Crossover select switch for H.P.F, Normal and L.P.F • Input mode switch for Stereo, Bridge and Parallel
Indicator LEDs		• 2 DDT (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	• Three Neutrik Speakon connectors for two channels plus common bridge
Construction		• 18 ga. galvanized steel
Dimensions		• (LxWxH) 10.5 x 19 x 3.5" (266 x 482 x 89mm) behind front panel + 0.6" for handle • 2 RU mounting
Net weight		• 10.90lbs (4.94kg) <sup>1</sup>
Gross weight		• 13.3lbs (6.02kg)
Warranty		• Limited 3-year warranty

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.

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