

# Christie Vive Audio

## CDA Series

### CDA3 3000W class D amplifier



Technical Specifications		Christie CDA3
Rated power	bridge 4 ohms	• 3150W @ 1kHz 1% T.H.D.
	bridge 8 ohms	• 1770W @ 1kHz 1% T.H.D.
	2 x 2 ohms	• 1575W per channel @ 1 kHz 1% T.H.D. both channels driven
	2 x 4 ohms	• 870W per channel @ 1 kHz at <0.1% T.H.D. both channels driven
	2 x 8 ohms	• 450W per channel @ 1 kHz at <0.1% T.H.D. both channels driven
	1 x 2 ohms	• 1710W @ 1kHz at <0.1% T.H.D.
	1 x 4 ohms	• 950W @ 1kHz at <0.1% T.H.D.
	1 x 8 ohms	• 475W @ 1kHz at <0.1% T.H.D.
Minimum load impedance	• 2 ohms	
Maximum RMS voltage swing	• 71V	
Frequency response	• 20Hz-60kHz; -0.2dB, -3dB @ 1W	
T.H.D.	2 x 2 ohms	• <0.1% @ 1400W per channel from 20Hz-4kHz, decreasing to 1200W @ 20kHz
	2 x 4 ohms	• <0.1% @ 850W per channel from 20Hz-20kHz
	2 x 8 ohms	• <0.1% @ 435W per channel from 20Hz-20kHz
Input CMRR	• >-76dB @ 1kHz	
Voltage gain	• x75 (+37dB)	
Crossover	• 100Hz switchable 2nd order high pass and 3rd order low pass per channel	
Crosstalk	• >-76dB @ 1kHz at 100W power @ 4 ohms	
Hum and noise	• >-103dB, "A" weighted referenced to rated power @ 4 ohms	
Slew rate	• >12V/μs	
Damping factor (8 ohms)	• >255:1 @ 20Hz-1kHz @ 8 ohms	
Phase response	• +20 to -70° from 20Hz-20kHz	
Input sensitivity	• 0.785V ±3% for 1kHz 4 ohm rated power • 0.780V ±3% for 1kHz 2 ohm rated power	
Input impedance	• 15k ohms balanced • 7.5k ohms unbalanced	
Current draw	@ 1/8 power	• 960W @ 2 ohms • 612W @ 4 ohms • 396W @ 8 ohms
	@ 1/3 power	• 2064W @ 2 ohms • 1212W @ 4 ohms • 739W @ 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	• 11.5lbs (5.21kg) <sup>1</sup>	
Gross weight	• 13.9lbs (6.30kg)	
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.

**United Kingdom**  
Branch & EMEA  
Head Office  
ViewPoint  
200 Ashville Way  
Wokingham  
Berkshire, U.K.  
RG41 2PL  
PH: +44 (0) 118 977 8000

**Middle East**  
Light Industrial Unit (LIU-17)  
Nad Al Shibba  
Sheikh Mohammed Bin Zayed Road  
Dubai Silicon Oasis  
PO Box: 293762  
Dubai - U.A.E  
PH: +971 (0) 4 503 6800

**Africa**  
Unit C3  
Northlands Deco Park  
New Market Road  
Northriding  
Randburg  
2164  
Johannesburg  
Gauteng  
South Africa  
PH: +27 71 335 8667

#### Other EMEA offices

**Germany**  
Branch Office  
PH: +49 2161 566 200

**France**  
Branch Office  
PH: +33 (0) 1 41 21 44 04

**Eastern Europe**  
Representative Office  
PH: +36 (0)1 47 48 138

**Spain**  
Branch Office  
PH: +34 91 633 9990

**Italy**  
Independent Sales Consultant Office  
PH: +39 (0) 2 9902 1161

**Russia**  
Independent Sales Consultant Office  
PH: +7 (495) 930-8961



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