Cinema's first highly efficient and reliable amplifier

CLASS D AMPLIFICATION

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

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/bridge/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

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Innovation in every frame™
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% @ 200W 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

#### 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
- T2 front panel attenuators • Crossover select switch for H.P., Normal and L.P.
- 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)

#### Gross weight
- 13.3lbs (6.02kg)

#### Warranty
- Limited 5-year warranty

For the most current specification information, please visit christiedigital.com

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