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/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

Christie Digital Systems Europe Limited

christiedigital.com/cinema

Innovation in every frame™
### Specifications Christie CDA5

**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**
- 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

**T.H.D.**
- 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

**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 -90° 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@2ohms • 522W@4ohms • 338W@8ohms
- @ 1/3 power: 2077W@2ohms • 1200W@4ohms • 696W@8ohms

**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 lbs (6.4kg)

**Gross weight**
- 18lbs (8.2kg)

**Warranty**
- Limited 5-year warranty

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

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CINE0111-CDAS-Datasheet-Jan-2020-EN-US