

# C10



- 2 x 4955W @ 4 ohms
- Built in dual comparator for use with Coda Audio sensor controlled subwoofers
- Hybrid Class H design for superior sonic performance

The C10 is a dual channel comparator and amplifier delivering 10000W of clean power in a light weight 19"/2U package. The exceptional power of the C10 ensures optimal system performance, reduced amount of amplifiers for less rack space, less weight and summary reduced system cost.

Clean and dynamic top end – The newly developed Hybrid class H output stage topology delivers audiophile sonic accuracy in the mid/high range with enormous headroom providing significant improvement in the system performance in dynamic and transparency.

Subwoofer loop control – The C10 comparator amplifier provides integrated power and feedback loop control solution for sensor controlled subwoofers. The unit has two amplifier channels as well as two comparator sensor inputs connected to a 5-pol Neutrik XLR input. The Comparator’s electronic circuit loop measures the voice coil movement and adjusts the amplifier driving voltage and/or current to correct any driver inaccuracy. It is a closed feedback-loop and therefore self-optimizing system in which the driver confirms precisely the power it needs to produce exactly the original audio signal. The key advantage is a very extended and controlled response. Any distortion produced by the driver or the enclosure is instantly corrected by the feedback. The comparator can be switched on or off via the C10 screen user interface.

Optional dsp and audio network – The C10 is prepared for future upgrades with digital signal processing and audio network. The flexible routing can be controlled via the screen user interface.

Applications: The C10 provides optimum power integrity for all AIRLINE and SC systems via the RC 20T and RC40T rack systems. The following systems us the RC rack system only.

- AIRLINE LA12                    SC8-SUB
- AIRLINE LA8/LA8-SUB        SCP-SUB
- SC4-SUB

# C10

## Dual channel comparator amplifier

- 2U, light weight dual voltage SMPS with automatic selection for 115V or 230V operation
- Optional digital signal processor and audio network
- 6 years warranty

C10 is also highly recommended as a power solution for:

- LA4/LA4-SUB    G700, G15-SUB, G18-SUB
- PW418v<sup>2</sup>        CUE-Series

TECHNICAL SPECIFICATIONS C10	
8 Ω *	2 x 2350 W
4 Ω *	2 x 3885 W
2 Ω *	2 x 4330 W
Peak **	2 x 4955 W
Output Circuitry	Hybrid Class H
Output Voltage	200 Vp/400 Vpp
Frequency Response	20 Hz - 20 kHz ± 0,15 dB
<i>8 Ω load, 1 dB below rated power</i>	
Input Impedance	22 kΩ balanced
Input Gain	32 dB
Protection Circuits	inrush-current limitation, protection circuits against power on/off transients, temperature monitoring of transformers and heat-sinks, output DC protection, temperature dependent SOA protection, intelligent mains fuse protection
Fan	2 temperature dependent speed-controlled axial fans
LED Indicators	Signal & Clip for each channel Comparator on/off for each channel Sensor signal for each channel
Output Connectors	One 4-pole SPEAKON connector for each output channel
Options	Plug-in DSP
Signal To Noise-Ratio	> 107 dB (unweighted)
20Hz - 20 kHz,	> 110 dB (A-weighted)
<i>8 Ω load</i>	
THD + N (typical)	< 0,01 %
<i>20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power</i>	
SMPTE (typical)	< 0,01 %
<i>20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power</i>	
Damping Factor	> 400
<i>8 Ω load, 1 kHz and below</i>	
Net Weight	13 kg / 28.7 lbs
Shipping Weight	15.6 kg / 34.4 lbs
Dimensions (WxHxD)	483 x 88.9 x 453 mm / 19" x 3.5" x 17.8" (19", 2U)
Shipping Dimensions	540 x 135 x 615 mm (0.045 m3) / 21.3" x 5.3" x 24.2"

\* All channels driven, 1 kHz, >1% THD @ 230 VAC 2) Peak Power at 4 Ohms, component tolerance dependent (+-1.25%)  
\*\* Subject to technical alterations without prior notice.