

COPLAND CSA 100

All in a single chassis.



The **CSA100** integrated amplifier is the latest work by Copland, aiming to combine the advantages of tubes and transistor amplification using the synectic design concept that previously has made Copland hybrid amplifiers widely acclaimed.

The CSA100 amplifier employs a solid stage 2 x 100W current feedback power plant, fed by a double triode tube- preamplifier.

One tube is responsible for the CSA100 line amplification and the efficiency of this single tube layout is astonishing. The double triode tube runs at high voltage in a setup for maximum linearity, taking care of the voltage amplification only. A MOS-FET circuitry delivers the brute force driving the line stage output and feedback circuitry, thus securing a firm handshake between the world of electronic tubes governed by voltage and the current controlled transistor technology.

If you want the warm and nice colored charm of some older tube designs look elsewhere, the CSA100 tube line stage is made for monitoring. In this application the tube provides life, headroom and dynamics hard to find in amplifiers relying on solid stage technology only.

For the vinyl enthusiast the CSA100 has RIAA input for MM cartridges. The amplifier also employs an excellent D/A converter with multiple S/PDIF inputs, PCM, and DSD capabilities using the ES9018 Reference 32-bit DAC in quad-mono configuration, 8 mono to 2 stereo configuration.

CSA100 Specifications:

Output power:	2*100W into 8 ohms load. 2*180W into 4 ohms load.
Minimum load:	2 ohms
Analog Inputs:	1*balanced (XLR) 3*unbalanced (RCA)
Digital Inputs:	1*coaxial S/PDIF. 2*optical S/PDIF. 1* USB. 1* aptX HD Bluetooth (Optional Extra)
Line output:	1*unbalanced (RCA) 1* Pre-out /unbalanced variable (RCA)
Line input impedance:	50 K ohms
Phono input impedance:	47 K ohms (MM)
Phono input Capacitance:	200 pF
Line Inputs sensitivity:	250 mV
Phono sensitivity:	2.6 mV
Frequency response:	10 Hz - 150 kHz -3dB
T.H.D:	Better than 0.06 %
Signal / noise IHF-A):	Better than 90dB
Phase:	Inverting
Headphone amp. Gain:	22 dB @ 100 ohms load impedance
Headphone amp. Out imp.	40 ohms
Headphone amp. T.H.D.	Better than 0.05 %
Headphone amp. Freq. resp.	10 Hz – 150 kHz / -3dB
Vacuum tubes:	1 pc. 6922
Power consumption:	Max.700 W
Dimensions:	435mm (w) x 135mm (H) x 370mm (D)
Shipping weight:	14 Kg.