

CPA8000 Reference Preamplifier

Product Description

The CPA8000 is the ultimate high end reference product and is the perfect partner to the SPM14000 mono block amplifiers. In the same double height format to match it has all the features of the already advanced CPA5000 but now includes three pairs of outputs, true dual mono construction with separate power supplies for each channel, and separate left and right frequency EQ adjust.



Using two separate ultra high frequency power supplies gives the best possible channel separation and with our latest low noise circuitry the noise floor performance has been improved to beyond -135dB. Each of the power supplies and the sensitive volume, balance and EQ controls is surrounded by solid milled aluminium shielding to prevent RF interference.

Extra flexibility is now offered with three pairs of fully balanced XLR or unbalanced RCA phono outputs. Selection can be made manually via the front panel or using the supplied remote control. Every input has six levels of adjustable gain that can be individually selected to prevent large changes in volume when switching between inputs. All settings are stored via the microprocessor even if power is removed.

The fully balanced AV Bypass circuitry will allow direct connection to an AV processor at full signal level routing the signal directly from input to output avoiding the volume control. This truly flexible system functions to provide both the purest two channel stereo reproduction converting for use in a multichannel AV system with a simple press of a switch. A balanced AV monitor is provided check signal integrity or feed to another system.



On the front panel are the separate frequency EQ adjust controls for the left and right channels. Both the low and high frequencies can be adjusted to suit the room requirements. Each control rotates a milled aluminium disc with graduated adjustment levels clearly visible through the magnified and illuminated viewing port.

Signal detection is via the highly accurate VU meters with BBC ballistics which are incorporated into the front panel display. These give both clear signal detection and accurate input level. Naturally these may be selected or disabled as required. For headphone connectivity there are two low distortion, low noise headphone output jack sockets easily accessible on the front panel.

Remote triggering outputs are available at the rear of the unit to activate power amplifiers or AV processors as the aluminium front panel power switch is depressed. Remote control IR signals can be connected via a socket at the rear of the unit for easy incorporation into room control systems.

Modern style with a retro feel gives the Chord Reference CPA8000 a uniquely stylish look with reference sonic performance and features to earn a place at the very top of our product range.

Product Specification

Unbalanced Inputs:	Line 5, Line 6, Tape 1, Tape 2. 4 x pairs RCA Phono style, gold-plated with Teflon dielectric insulation.
Balanced Inputs:	Line 1 to Line 4. 3-pin female pairs of female Neutrik XLR inputs.
Outputs:	3 x pair of 3-pin male Neutrik XLR output with 3 x pair of gold-plated RCA Phono wired asymmetrically in parallel.
AV Bypass input:	1 x pair female 3-pin Neutrik XLR input
Intermodulation Distortion:	-125dB all inputs
Signal to Noise Ratio:	-125dB all inputs
Average Noise Floor:	-135dB
Frequency Range:	2.5Hz – 200kHz (-3dB)
Nominal Gain:	All inputs subject to 6 levels of switchable gain (x0.5, x1, x1.5, x2, x2.5, x3)
THD:	0.002% 20Hz – 20KHz
Channel Separation:	20 Hz 110dB, 1kHz 105dB, 10kHz 100dB, 20kHz 95dB
Channel Balance:	0.01dB
Input impedance:	Unbalanced 50kOhms, Balanced 100kOhms
Output impedance:	100 Ohms short circuit protected
Output Offset:	0mVDC both channels
Max Input Voltage:	17Vrms balanced, 8.5V rms unbalanced
Max Output Voltage:	17V rms balanced, 8.5V rms unbalanced
Volume Performance:	0dB 0.5dB, -20dB 0.2dB, -60dB 0.24dB (13 secs for full travel)
VU Meter:	Accurate to 0.5dB, 30 steps to VU Specification
DC Output triggers:	12V active high x 3
IR Control:	1 x IR remote control socket
Power Consumption:	60W
Operating Voltage:	85 – 270V AC (50-60Hz) auto switching
Dimensions:	420mm (w) x 355mm (d) x 310mm (h)
Weight:	30Kg



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