

NEW PRODUCT INFORMATION SHEET

CPM 2800 Digital Integrated Amplifier

Product Description

The Chord CPM 2800 digital integrated amplifier is a further advancement in our range of successful integrated products. The CPM2800 includes additional digital functionality so direct and wireless connection of both digital and analogue source components can be accommodated. Based on our advanced amplifier and preamplifier technologies the CPM2800 is enhanced with a coax, optical and USB digital connection and our unique digital bluetooth wireless system.



Wireless connectivity gives the ultimate in freedom so that phones, digital assistants and personal computers can transmit high quality audio using the Bluetooth Advanced Audio Distribution profile without the need to run cables. The CPM2800 includes our custom designed Bluetooth receiver that allows the extraction and decryption of digital audio information and this along with the other digital inputs is input directly into a high quality digital to analogue converter. The bluetooth connection uses a very simple pairing procedure and with a range of up to 30 meters it can be used anywhere in the home.

The USB port can be connected to a personal computer and will seamlessly appear as an audio device by the operating system. Any music played on the computer will be digitally decoded and then converted to a HiFi quality signal for playback.

Selection and control of both digital and analogue inputs is via an easy to use front panel interface or remote control and the large display can easily be seen across a room.

Power is provided by our tried and tested technology of ultra high frequency low ESR power supply. This has the ability to store energy far more efficiently than conventional designs. This gives the amplifier section enormous reserves of instantly delivered, precisely controlled power which is more than capable of controlling even the most demanding loudspeakers.

Finally for home cinema compatibility an AV Bypass input is incorporated so that the CPM2800 can be used in conjunction with an AV Processor without the need for a separate amplifier.

Product Specification

Pre-Amp Section

Unbalanced Inputs:	Line 3, Line 4, Line 5
Balanced Inputs:	Line 1, Line 2 are 3-pin female XLR inputs both with RCA Phono style input sockets wired asymmetrically in parallel
Digital Inputs:	Coax BNC, TosLink Optical, B type USB
Wireless Input:	Bluetooth A2DP
AV Bypass:	2 x RCA Phono style inputs
Intermodulation Distortion:	-100dB all inputs
Signal to Noise Ratio:	-93dB all inputs
Frequency Range:	2.5Hz – 200kHz (-3dB)
Harmonic Distortion:	10 Hz –91dB, 1kHz –93dB, 10kHz –90dB, 20kHz –87dB
Channel Separation:	10 Hz 90dB, 1kHz 90dB, 10kHz 90dB, 20kHz 85dB
Channel Balance:	0.01dB
Input impedance:	Unbalanced 47kOhms, Balanced 94kOhms (Line 1 & Line 2)

Power Amp Section

Output Power:	120W rms per channel @ 0.05% distortion into 8 Ohms 170W rms per channel into 4 Ohms 180W rms per channel into 8 Ohms 220W rms per channel into 4 Ohms
Dynamic Headroom:	
Frequency Response:	-1dB, 0.8Hz to 46kHz (8 Ohms) -3dB, 0.8Hz to 77kHz (8 Ohms) -1dB, 0.8Hz to 39kHz (4 Ohms) -3dB, 0.8Hz to 75kHz (4 Ohms)
Signal To Noise Ratio:	Better than –103dB, 'A' weighted two thirds
Channel Separation:	-80dB
Output Impedance:	0.03 Ohms
Output Inductance:	2.6mH
Output Connections:	2 x rhodium binding posts
Slew rate:	70V per μ S, 1kHz 20V square wave
Gain:	23dB
Stability:	Unconditional
Dimensions:	420mm (w) x 355mm (d) x 133mm (h)
Weight:	16Kg



Chord Electronics limited

The Pumphouse
Farleigh Bridge
Farleigh Lane
East Farleigh
Kent ME16 9NB

Tel: +44 (0)1622 721444
Fax: +44 (0)1622 721555

Email: sales@chordelectronics.co.uk
<http://www.chordelectronics.co.uk>

