

marantz®

HD-DAC1

HEADPHONE AMPLIFIER WITH DAC-MODE



The HD-DAC1 is an ultra-high quality dedicated Headphone Amplifier, that creates simply amazing sound because it uses amplification technologies from Marantz's high-end Premium 11 Series. The HD-DAC1 is so powerful, it can even drive audiophile high-impedance headphones of up to 600 ohm - with complete MODE ease. All thanks to its three-level gain control, Marantz HDAM-SA2 modules, a high current audiophile DAC (CS4398), and its Premium Quality fixed and variable RCA outputs. It is so powerful, it not only drives headphones, you can also directly connect it to your Hi-Fi integrated amplifier or to a pair of active speakers or power amps. It's also highly connectable. Optical and coaxial digital inputs as well as a USB-B port enable you to stream music directly from your PC or MAC. iDevices can also be connected via the USB port on the front. For even more connectivity we have also included an analog input. The USB-B works in asynchronous mode to support not only 192 kHz / 24bits high-resolution audio but also the DSD 2.8MHz and 5.6MHz for maximized performance and the most direct way to enjoy excellent quality. To safeguard quality when connected to a computer, we built extended isolation around the USB-B input to eliminate the chance of high frequency noise generated by the computer entering the HD-DAC1. We even included a jitter remover and Dual Clock for extreme accuracy. Without doubt, the HD-DAC1 is a feast for the ears. It also looks good. Info on volume, input, resolution, etc. is shown on the stylish Marantz Porthole Display. While the solid aluminum front is supported by a double layer bottom plate and retro-style side panels. Pure craftsmanship.

DAC MODE

24bit 192kHz

COAX DIGITAL INPUT

Made for iPod iPhone

SYMMETRIC LAYOUT

DSD STREAMING

USB TYPE B INPUT

OPT DIGITAL INPUT

HDAM SA2

CUSTOMISED COMPONENTS

Main Features

- High quality Headphone amplifier with DAC Mode
- 2x optical, coaxial and USB type B digital inputs capable of 192kHz/24bit
- Native DSD2.8 and 5.6 support
- Asynchronous mode
- High quality D/A converter CS4398
- Jitter remover
- Dual Clock
- Noise isolation for all digital inputs (USB-A, Optical, Coaxial, USB-B)
- HDAM & HDAM-SA2
- Gain control to support wide range of headphones
- Fix and variable RCA output
- iDevice capable front USB input
- Gold plated fix level and variable level RCA output terminals

UPC

NA HDDAC1/U1B 6-99927-13135-7 Black



HD-DAC1 HEADPHONE AMPLIFIER WITH DAC-MODE



FEATURES	HD-DAC1
DAC operation mode: USB / Coax / Optical	• / • / •
Asynchronous mode rear USB	•
Bit-perfect transmission	•
USB-B DSD Audio Streaming: DSD2.8 / DSD5.6	• / •
Ground isolator for DAC Mode operation	•
iPod®/ iPhone® compatible USB input	•
DAC chip	CS4398
Jitter reducer	•
HDAM version	HDAM+HDAM SA2
High Grade Audio Components	•
Customized Components	•
INPUTS/OUTPUTS	
Headphone Out	•
Headphone Volume Control	•
Headphone Gain Control (low / mid / high)	•
Analog Input	1
Analog Out (fix / variable)	• / •
Digital Optical In / Out	2 / -
Digital Coaxial In / Out	1 / -
Sample Rate digital In	192kHz/24bit
Gold plated Cinch	•
Front USB	•
USB type B input for Computer (back)	•
Asynchronous mode rear USB	•
Sample Rate USB type B In	192kHz/24bit
USB-B DSD Audio Streaming: DSD2.8 / DSD5.6	•
D-Bus	•

SPECIFICATIONS	
Frequency Response	2 Hz - 20 kHz
Signal to Noise Ratio	106 dB
Total Harmonic Distortion	0,0012%
Channel Separation	100 dB
Headphone Power	800mW / 32 ohm
GENERAL	
Remote Control	RC001HD
Standby Consumption in W	0.3
Auto power off	•
Detachable Power Cable	•
Maximum Dimensions (W x D x H) in inches	9.84 x 10.63 x 3.54
Weight in lbs.	11.02

Design and specifications are subject to change by Marantz without notice.