



C 356BEE DAC Integrated Amplifier



Our C 356BEE DAC with the new MDC DAC built in, symbolises NAD's desire for continual improvement—even on an award-winning design. We have refined our amplifier performance and added more value to our C 356BEE DAC design by applying knowledge gained from our top-of-the-line Masters Series M3 Amplifier. Able to drive the most complex loud speakers to their full musical potential, the C 356BEE DAC can challenge amplifiers costing two to three times more. With features like Preamp Out, Modular Design Construction, and the MDC DAC's ability to play computer music, this amp will suit your requirements for years to come.

FDP 2 x 80W
Full Disclosure Power

MDC Modular Design Construction



<0.5W
STANDBY

Features

> Purely Digital

With our C 356BEE DAC, the world of computer music can be heard through your hi-fi system without the noise or distortion that commonly plagues analogue designs. Thanks to an 'asynchronous USB' technique and its high precision clock, 24/96 quality computer music flows smoothly without 'jitter' or harsh distortion. You can also plug Apple TV into the C 356BEE DAC to hear iTunes like never before!

> Modular Design Construction (MDC)

The C 356BEE DAC, equipped with our MDC DAC Digital Analogue Converter, allows computer music to be streamed from your computer or attached storage device without musical compromise. MDC makes future upgrades possible with interchangeable modules!

> Legendary Technology

Our NAD PowerDrive circuit delivers very high dynamic power and low impedance drive to accurately control loudspeakers, resulting in musically detailed, coherent, and relaxed sound. PowerDrive™ offers the capability of an amplifier twice as

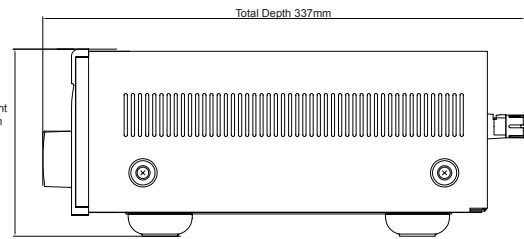
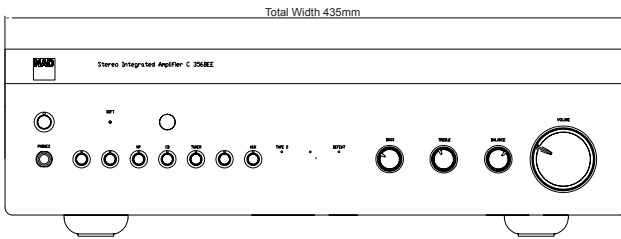
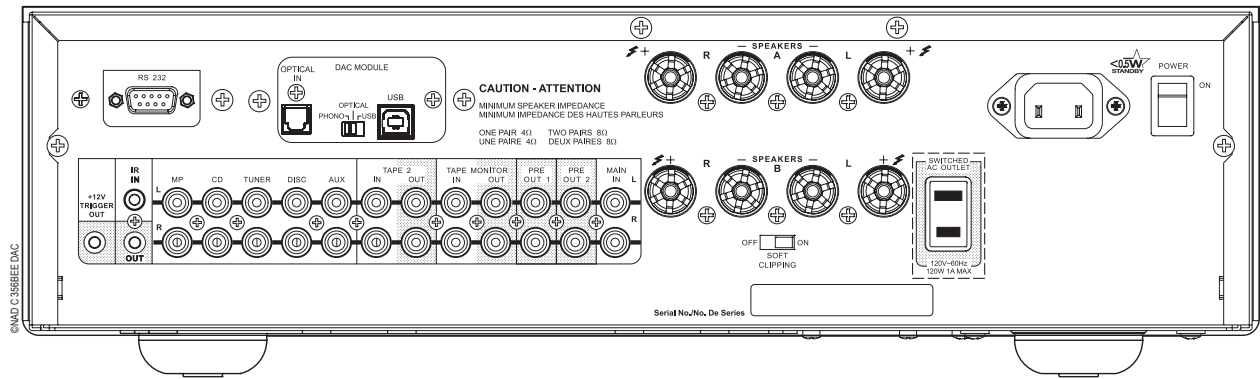
powerful without the energy drainage. Our exclusive Soft Clipping feature protects speakers (and ears) from damaging clipping distortion.

> Real World Power

With 80W of continuous power (both channels), our C 356BEE DAC has the lowest levels of distortion and noise available in its price class. We use the most demanding criterion for performance measurement—Full Disclosure Power—measuring distortion under the most extreme conditions of low impedance loads and frequency extremes, rather than the easy 1kHz @ 8 ohms test used by many of our competitors.

> Greener NAD

The C 356BEE DAC offers <0.5W standby consumption and includes a convenient 'vacation' switch. We make every effort to reduce our environmental impact by manufacturing the C 356BEE DAC without heavy metals and other hazardous substances, and by using recycled and recyclable materials where possible.



Specifications

LINE IN, SPEAKER OUT		C 356BEE DAC
Continuous output power into 8 Ω and 4 Ω (Stereo)		>80W (at rated THD, 20Hz-20kHz, both channels driven)
THD* 20Hz - 20kHz, CCIF IMD, SMPTE IMD, DIM 100		<0.009% (250mW to 80W, 8 Ω and 4 Ω)
Clipping Power		>90W (at 1kHz 0.1% THD)
IHF Dynamic Headroom	8 Ohms	+2.6dB
	4 Ohms	+4.4dB
IHF Dynamic Power	8 Ohms	145W
	4 Ohms	220W
	2 Ohms	290W
Signal/Noise Ratio		>92dB (IHF; A-weighted, 500mV input, ref. 1W out in 8 Ω) >110dB (IHF; A-weighted, ref. 80W in 8 Ω, max. volume)
Frequency Response		±0.3dB (20Hz-20kHz, Tone Defeat ON) 10Hz - 65kHz (-3dB)
Channel Separation	1kHz	>80dB
	10kHz	>68dB
MDC DAC Module		
Sample Rate		32kHz to 96kHz
THD+N		0.005%
Signal/Noise		-90dB (ref. 500mV Tape out)
Output Level		2V (at Tape out)
Inputs		
Digital		Optical USB 2.0 (Device side Asynchronous)
Digital to Analogue Converter		Burr-Brown TI PCM1796
POWER CONSUMPTION		
Standby Power		<0.5W
Idle Power		<40W
Rated Power		350W (230V AC 50Hz; 120V AC 60Hz)
DIMENSION AND WEIGHT		
Unit Dimensions (W x H x D) Gross**		435 x 130.86 x 337mm 17 1/8 x 5 3/16 x 13 5/16 inches***
Net Weight		9.8kg (19.6lbs***)
Shipping Weight		12.4kg (23.8lbs***)

* THD is the sum of all the harmonic components within the 80kHz measurement bandwidth and does not include noise.

** Gross dimensions include feet, buttons and rear panel terminals.

*** Non-metric measurements are approximate. NAD Electronics will not assume any liability for errors being made by retailers, custom installers, cabinet makers, or other end users based on information contained in this document.

Note: Installers should allow a minimum clearance of 55mm for wire/cable management.



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