



# C 375BEE DAC Integrated Amplifier



Our C 375BEE DAC Integrated Amplifier is ready for 24/96 digital music thanks to its built-in MDC DAC, part of NAD's exclusive Modular Design Construction (MDC) program. Applying technology from our leading Masters Series M3 Amplifier, the C 375BEE DAC is an innovation-driven design with refined amplifier performance and 150W of jaw-dropping power. The C 375BEE DAC offers stellar performance, flexibility, unmatched value—and with MDC—a lifetime of musical enjoyment.

**FDP** 2 x 150W  
Full Disclosure Power

**MDC** Modular Design Construction



**<0.5W**  
STANDBY

## Features

### > All Digital, Ultra Low Distortion

The C 375BEE DAC will bring your digital music collection to life through your hi-fi system in pristine form. Using an 'asynchronous USB' and a high precision clock, your high resolution 24/96 downloads will be heard in absolute digital purity, just as they were meant to be heard. The DAC's high precision clock and built-in NAD customised software control the PC, thus distortion can be virtually eliminated.

### > Modular Design Construction (MDC)

The C 375BEE DAC is equipped with our MDC DAC USB Digital Analogue Converter, so you can play all your computer music without any compromise. An additional MDC slot gives this DAC amplifier the flexibility to upgrade in the future or add more functionality, such as the PP 375 Phono Preamplifier. MDC kicks technology obsolescence to the curb!

### > The Powerful Truth

Using a Holmgren Torodial Power Transformer, the C 375BEE DAC won't let you down with its impressive 150W of continuous power per channel and ultra low levels of noise and distortion. We use the most demanding performance rating—Full Disclosure Power (FDP)—to measure 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. So NAD FDP isn't just a number—it's the truth.

### > The Power of BEE

The C 375BEE DAC incorporates legendary Bjorn Erik Edvardsen's (BEE) patented Distortion Cancelling Circuit in the output stage and BEE Clamp in the power supply. NAD PowerDrive™ delivers very high dynamic power and low impedance drive to accurately control loudspeakers for musically detailed, coherent, and relaxed sound. PowerDrive offers the capability of an amplifier twice as powerful without draining energy. Plus, our exclusive Soft Clipping protects your speakers (and ears) from damaging clipping distortion.

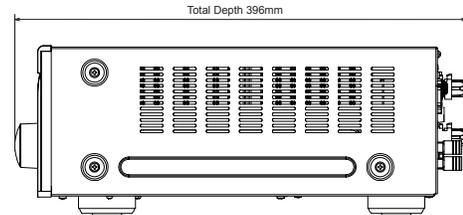
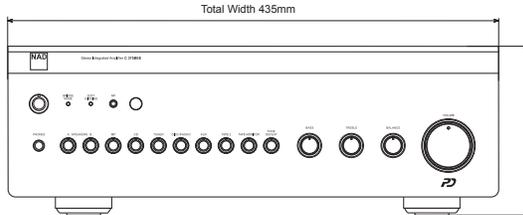
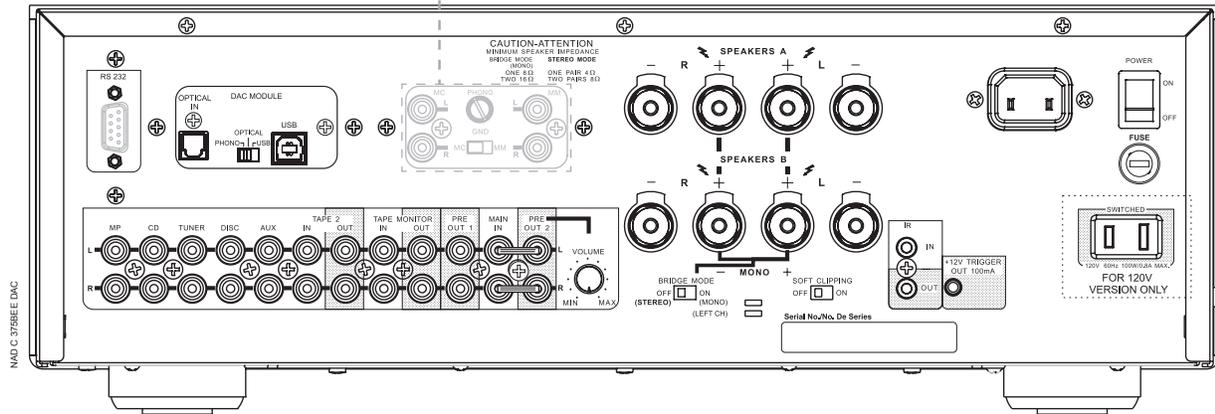
### > Hi-Fi Flexibility

The C 375BEE DAC is equipped with seven line inputs and the preamplifier section can be separated from the power amplifier for ultimate flexibility. A 12V-trigger system allows for remote on/off switching of ancillary components in a system, like a CD player or tuner, or to bridge with another NAD power amplifier like the C 275BEE. The C 375BEE DAC also has rear panel IR in and out for CI applications.

### > More from Your Digital Music

If you love the Sonos or Squeezebox experience, elevate it to the next level of musical enjoyment with the C 375BEE DAC. You'll hear more detail, dimension and natural timbre from each individual instrument than you ever thought possible. Connect an Apple TV to the C 375BEE DAC and reveal more musical truth from iTunes or Apple lossless. You'll discover more than you ever thought possible!

Optional PP375 MDC Module



Specifications

LINE IN, SPEAKER OUT		C 375BEE DAC
Continuous output power into 8 Ω and 4 Ω (Stereo)		>150W (at rated THD, 20Hz-20kHz, both channels driven)
THD* 20Hz - 20kHz, CCIF IMD, DIM 100		<0.009% (ref. 20Hz - 20kHz)
Clipping Power		>170W (at 1kHz 0.1% THD)
Bridge Power	8 Ohms	330W
IHF Dynamic Power (Bridge Mode)	8 Ohms	800W
	4 Ohms	1200W
IHF Dynamic Power	8 Ohms	250W (Dynamic Headroom +2.2dB)
	4 Ohms	410W (Dynamic Headroom +4.4dB)
	2 Ohms	600W
Signal/Noise Ratio		>94dB (A-weighted, ref. 1W) >113dB (A-weighted, ref. 150W)
Frequency Response		±0.2dB (20Hz - 20kHz, Tone Defeat ON) 10Hz - 65kHz (-3dB)
Channel Separation	1kHz	>80dB
	10kHz	>70dB
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		<120W
Rated Power		290W (230V AC 50Hz; 120V AC 60Hz)
DIMENSIONS AND WEIGHT		
Unit Dimensions (W x H x D) Gross**		435 x 150 x 396mm 17 1/8 x 5 7/8 x 15 5/8 inches***
Net Weight		15.3kg (33.7lb)
Shipping Weight		18.0kg (39.6lb)

\* 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.



NAD Electronics International reserves the right to change specifications or features without notice. NAD is a registered trademark of NAD Electronics International. All rights reserved. No part of this publication may be reproduced, stored, or transmitted in any form whatsoever without the written permission of NAD Electronics International. © 05/12 12-003 NAD Electronics International.

www.NADelectronics.com