



# D 7050 Direct Digital Network Amplifier



Our D 7050 with Apple AirPlay is one simple package. If you have a computer or smartphone running iTunes and a home Wi-Fi network, just add the D 7050 and your favourite loudspeakers. You'll now have a state-of-the-art audio system in a stylish and compact package that fits anywhere in your home. Wireless access is universal as the D 7050 also supports Bluetooth aptX for hi fidelity point-to-point streaming without a network. A premium headphone amplifier output with a high quality volume control is also included for your personal listening. Downloads and streaming, instant access to all the music in the world, has been combined with audio excellence as never before.



## >The Streaming is Easy

Equipped with Apple AirPlay, the D 7050 is the ultimate plug 'n play solution for wireless music in your home. The D 7050 can also stream any UPnP audio content on your home network, but if you don't have a network, you can simply stream directly from your smartphone or laptop using the latest hi fidelity Bluetooth aptX. The D 7050 can also get you hooked up to your music via a wired connection from your computer or from a USB Drive. It can even recharge a docked iPad while streaming.

## >Innovative Direct Digital™ Technology

The D 7050 features our most advanced digital platform, Direct Digital™, first introduced in our award-winning Masters Series M2 Amplifier. Direct Digital™ eliminates any noise and distortion producing analogue circuits in the D 7050, so your music remains digital right up to the speaker outputs. Direct Digital™ technology performs all preamplifier functions in the digital domain using sophisticated software to control all aspects of performance. Digital is converted to analogue by a simple passive two-pole reconstruction filter located at the speaker outputs. This radical design is the world's first successful closed loop digital amplifier, which compares the output to the input, and then compensates for any differences to achieve a 'perfect' result. The uncompromising performance of the D 7050 is largely due to the elimination of noisy and resonating analogue circuits that can obscure musical detail and soften musical transients.

## >Small is Beautiful

We've packed four times the amount of circuitry into one-quarter of the space compared to our traditional analogue receivers. This makes sense since high-speed digital circuits perform better with very short signal paths. We also employ large scale

integrated circuits (LSIs), surface mount components and multi-layer printed circuit boards to optimise speed and performance while keeping the form factor ultra-compact. The high efficiency of our Direct Digital™ amplifier technology significantly reduces the size of the heat sinks and power supply required, while offering improved sound quality. There is even a subwoofer output with selectable digital crossover that encourages the addition of a powered subwoofer for cinema effects and musical rhythms you can feel as well as hear. The result is a cool running, compact powerhouse with remarkable performance.

## >Advanced Features? There's an App for that!

Download the free app from the Apple App Store or Google Play to use your iOS or Android device as a full function remote, and access some of the most advanced features



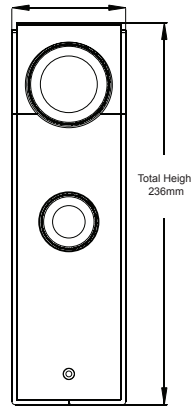
found in any stereo amplifier. You get the electronic crossover function for perfect subwoofer integration, as well as PerfectPitch™, a custom EQ library that fine tunes the response of your D 7050 when used with supported models of PSB Speakers. This integration of amplifier and speaker is a unique capability made possible by the powerful DSP engine inside the D 7050.

## >Mean, Green, and Clean

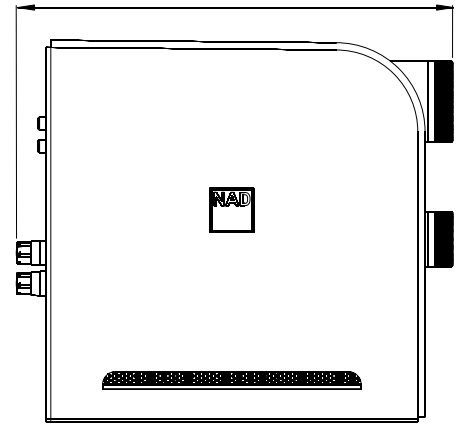
NAD has taken amplification to new lows, with lower distortion, lower noise, and lower power consumption. Compact and cool, the D 7050 can power and control expensive high-end loudspeakers while playing them at life-like levels! The D 7050's pure digital amplification highlight's NAD's major focus on finding new technology that can improve musical performance while consuming less power to operate. Plus it uses fewer non-renewable resources in manufacturing. The D 7050 packs a mean musical punch that would make any music lover proud.



Total Width 70mm



Total Depth 270mm



**Specifications**

AUDIO SPECIFICATIONS	D 7050
Rated Power at 4 ohms	2 x 50W
Signal / Noise Ratio (A-weighted)	≥90dB
Crosstalk (1kHz)	≥85dB
Crosstalk (10kHz)	≥70dB
Frequency Response (20Hz - 20kHz)	0dB to -0.3dB
Total Harmonic Distortion	≤0.004%
IMD (SMPTE)	0.02%
IMD (CCIF)	0.003%
GENERAL	
Standby Power	≤0.5W
Supports bit rate/sample rate	up to 24/192 (via Digital Audio input) up to 24/96 (via Computer/Type B USB input)
Unit Dimensions (WxHxD) - Gross*	70 x 236 x 270mm 2 13/16 x 9 1/4 x 10 5/8" **
Net Weight	2.2kg (4.85lb)
Shipping Weight	3.3kg (7.3lb)

\* Gross dimensions include extended 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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