



# D 3020 Hybrid Digital™ Amplifier

The original NAD 3020 introduced a generation of Music Lovers to true high fidelity sound. The term High Fidelity literally means “true to the original”. In the ‘70s over a million people rediscovered their music when they placed a NAD 3020 between their turntable and loudspeakers. This little gem embarrassed amplifiers costing 10 times more with its big, warm, detailed sound. Once people realized what they had been missing it lead them to a lifetime of enhanced musical enjoyment. Today, the source is more likely to be a computer or smartphone than a turntable, but the ability to choose speakers that perfectly suit one’s taste is still a compelling argument for upgrading to a NAD amplifier. The D 3020 starts with the original NAD 3020 concept and takes it straight to the 21st century using the latest high-speed digital technology.



## > Reinventing an Icon

By adapting to today’s media sources and using state-of-the-art digital technology for the new world of digital music, the D 3020 puts a completely modern spin on an old icon. The original designer of the 3020, NAD’s Director of Advanced Technology, Bjorn Erik Edvardsen, has been pivotal in developing the D 3020 for the new digital generation. Offering an excellent quality 24/192 DAC with 8 channels mixed to 2 for improved resolution, the D 3020 represents the same kind of value-bending innovation that gave the original 3020 its legendary overachieving phono stage.

## > Real World Performance

NAD rewrote the rules for amplifiers when designing the original 3020. Instead of letting laboratory test equipment have the last word, we made sure that we could properly drive real loudspeakers with real music for the real world. The D 3020 lives up to this promise through a unique implementation of NAD PowerDrive™ developed by Bjorn Erik Edvardsen, that allows low impedance drive (current) and high dynamic power (voltage) at vanishingly low distortion levels. This refinement of PowerDrive combined with a precision soft clipping circuit, lets the D 3020 sound even more powerful than it already is. An innovative Bass EQ circuit helps small speakers sound big without overdriving or damaging ported woofers.

## > More Connected

The D 3020 offers inputs for your computer and other digital and analogue sources. The USB input uses ‘asynchronous’ mode to ensure the lowest possible jitter (timing errors) from notoriously unstable computer audio outputs, and supports 24/96 HD studio master music files. Coaxial and optical inputs allow many different

digital sources to be connected, from CD and DVD players, to set top boxes, media streamers like AppleTV, or satellite and cable receivers. There are also analogue inputs for iPods and non-digital audio components like FM tuners.

## > Stream with Bluetooth

The D 3020 delivers the convenience of wireless streaming with its Bluetooth capability. Stream all your music from a smartphone, tablet, or laptop. The D 3020 even supports the highest audio quality Bluetooth aptX that is becoming ever more popular for its excellent sound quality and low power consumption compared to Wi-Fi.

## > Power that Really Delivers

Power output may sound small at 30W per channel, but like all NAD amplifiers this is very misleading, as a properly designed 30W amplifier can sound superior to a 100W amplifier from a lesser brand. With its very small form factor, the D 3020 will astound many for its ability to drive difficult loudspeakers to satisfying levels without adding noise or distortion.

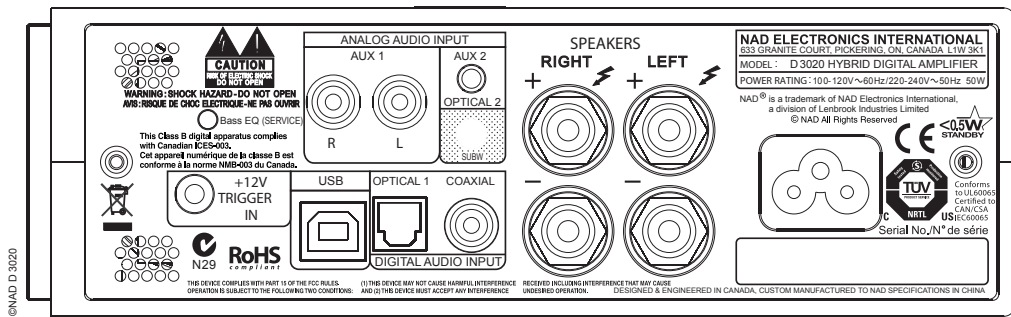
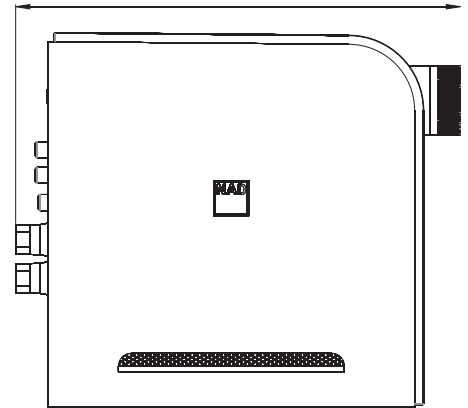
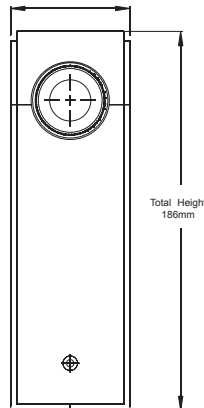
## > Mean and Green

The D 3020’s highly efficient design wastes less energy, requiring only 20% of the power needed by traditional Hi-Fi amplifiers. It’s like trading in a gas guzzling car for a hybrid vehicle. Standby power consumption is a miniscule <0.5W. NAD has taken amplification to new lows, with lower distortion, lower noise, and lower power consumption. NAD’s major focus is to find new technology that improves musical performance while consuming less power and using fewer non-renewable resources in manufacturing.



Total Width 58mm

Total Depth 219mm



## Specifications

| AUDIO SPECIFICATIONS               |        | D 3020  |
|------------------------------------|--------|---|
| Rated Power at                     | 8 ohms | 2 x 30 Watts  |
| IHF Dynamic Power                  | 8 ohms | 2 x 65 Watts  |
|                                    | 4 ohms | 2 x 105 Watts   |
|                                    | 2 ohms | 2 x 150 Watts   |
| Signal/Noise Ratio (A-weighted)    |        | ≥90dB   |
| Channel Separation                 | 1kHz   | ≥75dB   |
|                                    | 10kHz  | ≥65dB   |
| Channel Balance                    |        | 0 ±0.3dB  |
| Frequency Response (20Hz - 20kHz)  |        | 0dB to -0.3dB   |
| Total Harmonic Distortion          |        | ≤0.005%   |
| Maximum input level                |        | 5V  |
| IMD (SMPTE)                        |        | 0.02%   |
| IMD (CCIF)                         |        | 0.003%  |
| GENERAL SPECIFICATIONS             |        |   |
| Standby Power                      |        | ≤0.5 Watts  |
| Supports bit rate/sample rate      |        | up to 24/192 (via Digital Audio input)<br>up to 24/96 (via Computer/Type B USB input) |
| Unit Dimensions (W x H x D) Gross* |        | 58 x 186 x 219mm<br>2 5/16 x 7 3/8 x 8 5/8" **  |
| Net Weight                         |        | 1.38kg (3.05lb)   |
| Shipping Weight                    |        | 2.1kg (4.6lb)   |

\* 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.



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. © 01/14 14-015 NAD Electronics International.

[www.NADelectronics.com](http://www.NADelectronics.com)