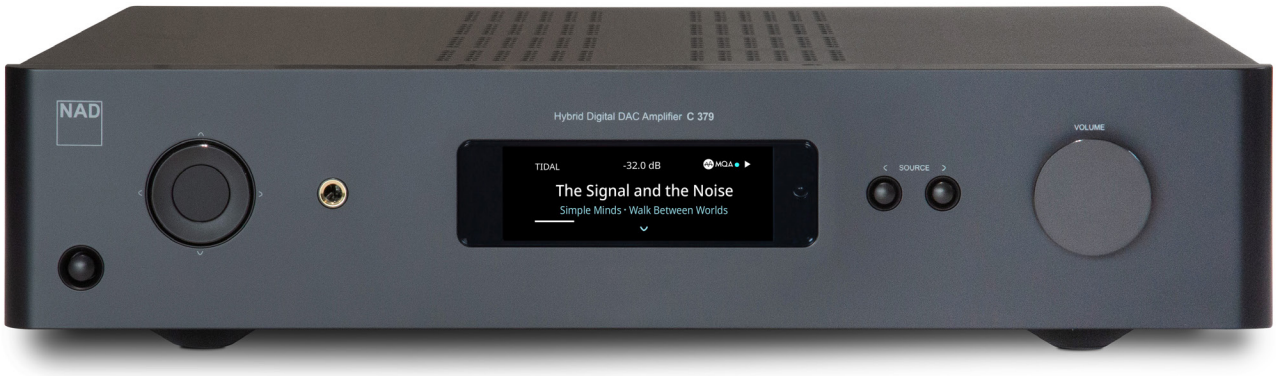
NAD C 379 HybridDigital DAC Amplifier



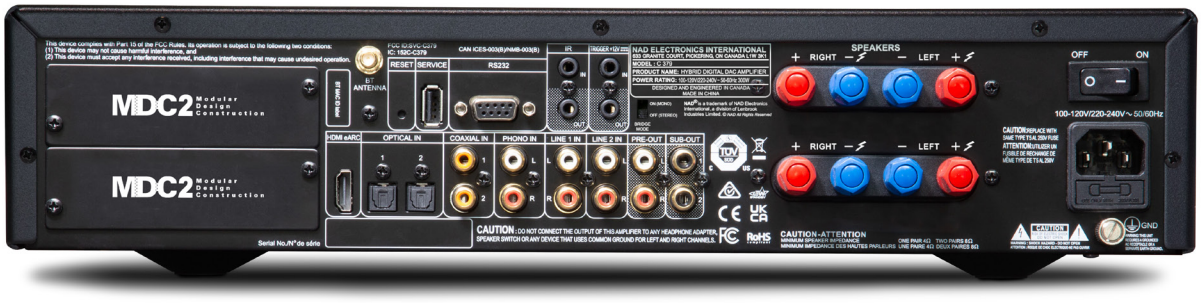
Embodying half a century of audio mastery, the NAD C 379 is everything you'd expect from a Classic Series amplifier. Continuing NAD's tradition of delivering simplicity, value, and innovation, the C 379 features the latest generation of MDC technology, 80 watts per channel of HybridDigital™ UcD amplification, and a high-performance ESS SABRE DAC that lets you experience music with exceptional sonic detail and clarity.

MAXIMUM POWER AND PERFORMANCE

Every detail of the C 379 amplifier design has been refined for maximum performance. Starting with a customised version of the proven HybridDigital UcD output stage, the C 379 operates in a fully balanced bridge configuration. This allows for massive power with nearly immeasurable distortion and noise in the audible range. The power supply is capable of 80 watts continuously and over 120 watts instantaneously to allow for short-term musical transients. For even greater power, the C 379 can be bridged in mono with the C 268 to provide up to 300 watts per channel of distortion-free sound.

FEATURES & DETAILS

- Customised HybridDigital UcD Amplifier with Stereo and Bridge Modes
- 2 x 80 Watts per channel of Continuous Power (8 and 4 Ohms)
- 2 x 120 Watts per channel of Dynamic Power (4 Ohms)
- Bridgeable for up to 300 Watts per channel of Continuous Power
- Industry-leading ESS SABRE™ 32-bit/384kHz DAC
- Dual MDC 2 Slots for Future Upgrades and Expanded Features
- MM Phono Stage with Accurate RIAA Equalization and Ultra-Low Noise
- Built-in Separate Headphone Amplifier for Low and High Impedance
- HDMI eARC, Optical Digital and Coax Digital Inputs
- Dual Subwoofer Outputs



BRILLIANT MUSICALITY AND DETAIL

The C 379's digital architecture is built around the critically acclaimed ESS SABRE™ ES9028 DAC, one of the industry's highest performance 32-bit digital-to-analogue converts with unprecedented dynamic range and ultra-low distortion. It provides ultra-high-quality music playback, free from clock jitter common in digital audio systems. The results are an exceptionally wide dynamic range, ultra-low distortion, accurate sound stage and unparalleled clarity.

FUTURE-PROOF FLEXIBILITY

Since 2006, NAD has led the way in providing users the flexibility to add features as new A/V technologies are introduced to provide unparalleled performance and value. Now, with the second generation of NAD's Modular Design Construction (MDC) technology, the C 379 is in a class of its own. It features two MDC2 slots for upgrading the amplifier's capabilities with emerging A/V technologies and additional features, including BluOS™ high-resolution multi-room streaming and Dirac Live Room Correction.

THE POWER OF BLUOS

With the available MDC2 BluOS-D module, Dirac Live, BluOS, Apple AirPlay 2, two-way aptX™ HD Bluetooth, and more, can be added to the C 379. With BluOS, the C 379 can be connected to a home network via Wi-Fi or Ethernet to experience the most advanced multi-room wireless music management system with 24 bit/192kHz resolution. Controlled through the BluOS app for smartphone, tablet, or desktop, BluOS manages your digital music collection and connects to over 20 high-quality streaming music services including Tidal, Deezer, Qobuz, Amazon Music, Spotify, and more.

CONNECT EVERYTHING

The C 379 is well equipped with a variety of analogue and digital connectivity options including aptX HD Bluetooth, HDMI eARC, MM Phono stage, and two subwoofer outputs. aptX HD can easily support 24-bit streaming from any Bluetooth enabled device, while HDMI eARC allows you to connect the C 379 to your TV and provide seamless control from your existing remote. It also includes a built-in high-performance headphone amplifier with low output impedance and high output voltage capability, allowing it to drive a wide range of headphones.

SPECIFICATIONS C 379

All specs are measured according to IHF 202 CEA 490-AR-2008 standard. THD is measured using AP AUX 0025 passive filter and AES 17 active filter.

PREAMPLIFIER SECTION

LINE INPUT, PRE-OUT (ANALOG BYPASS ON)

THD (20Hz - 20kHz)	<0.002 % at 2 V out
Signal-to-Noise Ratio	>106dB (IHF; A-weighted, ref. 500 mV out, unity gain)
Channel separation	>100dB (1 kHz); >90 dB (10 kHz)
Input Impedance (R and C)	56.2 kohms + 100 pF
Maximum input signal	>4.6 Vrms (ref. 0.1 % THD)
Output impedance	Source Z + 320 ohms
Input sensitivity	257 mV (ref. 500 mV out, Volume maximum)
Frequency response	±0.3 dB (20 Hz - 20 kHz)
Maximum voltage output -IHF load	>4.5 V (ref. 0.1 % THD)

PHONO INPUT, PRE-OUT (ANALOG BYPASS ON)

THD (20Hz - 20kHz)	<0.01 % at 2 V out
Signal-to-Noise Ratio	>83 dB (200 ohms source; A-weighted, ref. 500 mV out)
Input Impedance (R and C)	46 kohms/100 pF
Input sensitivity	4.2 mV (ref. 500 mV out, Volume maximum)
Frequency response*	±0.3 dB (20 Hz - 20 kHz)

GENERAL SPECIFICATIONS

LINE INPUT, HEADPHONE OUT (ANALOG BYPASS ON)

Continuous output power into 8 ohms	80W (ref. 20 Hz-20 kHz at rated THD, both channels driven)
Continuous output power into 8 ohms, Bridge mode	>300W
THD (20 Hz – 20 kHz)	<0.03% (250 mW to 120 W, 8 ohms and 4 ohms)
Signal-to-Noise Ratio	>85 dB (A-weighted, 500 mV input, ref. 1 W out in 8 ohms)
Clipping power	>110W (at 1 kHz 0.1 % THD)
IHF dynamic power	8 ohms: 140 W 4 ohms: 250W 2 ohms: 260W
Peak output current	>20A (in 1 ohm, 1 ms)
Damping factor	>300 (ref. 8 ohms, 20Hz to 6.5kHz)
Frequency response	±0.3 dB (20 Hz - 20 kHz)
Channel separation	>75dB (1 kHz) >70dB (10 kHz)
Input sensitivity (for 80 W in 8 ohms)	Line In: 440 mV
Supports bit rate/sample rate	up to 24 bit/192 kHz
Frequency band	2.402G- 2.480G
Maximum transmit power (dBm)	7 dBm ± 2 dBm
Standby power	<0.5W
Network standby power	<2W

DIMENSION AND WEIGHT

Unit gross dimensions (W x H x D) **	435 x 100 x 410 mm 17 1/4 x 4 x 16 3/16 inches
Net weight	9.04 kg
Shipping weight	10.88 kg

* The RIAA response is consistent with a pre-emphasis that is rolled off at 50 kHz by a second order filter, such as used in Neumann cutting lathes.
** Gross dimension includes feet, volume knob, installed antenna at right angle and extended rear panel terminals.
Specifications are subject to change without notice. For updated documentation and features, please check out www.NADelectronics.com for the latest information about C 379.