



# C 700 V2 BLUOS STREAMING AMPLIFIER



## NAD C 700 V2 BLUOS STREAMING AMPLIFIER

The C 700 V2 BluOS Streaming Amplifier is a compact, high-value all-in-one sound system that builds upon the success of its predecessor with an upgraded DAC, enhanced connectivity, expanded output capabilities, more control options, and even more advanced processing.

At its heart, the personality of this just-add-speakers powerhouse remains unchanged. Inside the solid aluminum case is a dynamic HybridDigital UcD amplifier and BluOS-enabled network streamer. Using the intuitive BluOS app on your smartphone, tablet, PC, or Mac, you can access music from your personal digital library or stream from online services such as Spotify, Amazon Music Ultra HD, Tidal, Qobuz and many more. The C 700 V2 can operate on its own or as part of a whole-home BluOS music ecosystem. But that's just scratching the surface.

## NEW FOR V2

The C 700 V2 takes its "all-in-one" ethos to new heights, thanks to the addition of a phono stage (MM) and the ability to expand the C 700 V2's output beyond 2- or 2.1-channel stereo. Thanks to the power of the BluOS platform, it's easy to add a pair of wireless BluOS-Enabled players, in addition to a wired subwoofer, for a full 4.1-channel home cinema experience, complete with Dolby Digital processing.

The C 700 V2 is Dirac Ready\* to support the optional Dirac Live room correction. Simply purchase and activate a Dirac Live license and use a calibrated microphone (sold separately) to measure the response of your room, and you'll now be able to enjoy music and movies from the C 700 V2 as intended, with perfectly tuned bass and enhanced clarity. The C 700 V2 can store up to five Dirac profiles for different sources or seating arrangements and room conditions, any of which can be recalled with the touch of a button on the included BC1 IR remote control.

Following menus on the C 700 V2's colour display, you can adjust amplifier settings with the control knob and navigation buttons on the front panel. And the C 700 V2 can learn commands from your favourite remote control.

## FEATURES & DETAILS

- HybridDigital UcD amplifier with 2x80 Watts of continuous power into 8 or 4 ohms and 2x120 Watts of instantaneous power
- Solid aluminum body and 5" high-definition colour glass display
- Audiophile-grade ESS ES9028 Sabre DAC chip
- Dedicated MM phono input and line level input
- Add BluOS Enabled Players, along with a sub, for a complete 4.1-channel home-theatre experience
- Dolby Digital decoding
- Dirac Ready\*
- IR remote control
- Works with intuitive BluOS Controller app for Android, iOS, macOS, and Windows
- MQA decoding and rendering
- BluOS multi-room streaming to 64 zones, with integrated support for over 20 streaming services and thousands of internet radio stations
- Lossless and high-resolution streaming (up to 24-bit/192kHz) from Amazon Music Ultra HD, Tidal, Qobuz, Deezer, and Idagio
- Support for Apple AirPlay 2, Spotify Connect, and Tidal Connect
- Voice control via Amazon Alexa, Apple Siri
- HDMI eARC, optical and coaxial digital inputs
- USB Type-A port for connecting an external drive, Dirac Ready measurement microphone
- Wi-Fi and Gigabit Ethernet
- Two-way aptX HD Bluetooth
- 12V Trigger output and IR remote sensor input
- Available drivers for Control4, Crestron, Elan, RTI, and other smart home control systems



## A FEAST FOR ALL YOUR SENSES

Thanks to its elegant, minimalist design and premium materials, the C 700 V2 is as easy on the eyes as it is on the ears. Its sleek front panel houses a 5" glass high-definition colour screen that displays album art, track progress, and system settings. Following the menus on the C 700 V2's display, you can easily adjust the unit's configuration or navigate your favourite music with the included remote control or the front-panel control knob and navigation buttons.

Employing NAD's proven HybridDigital UcD amplifier technology, the C 700 V2 can deliver 2x80 watts of continuous power and 2x120 watts of instantaneous power, for effortless reproduction of musical transients with ultra-low noise and brilliant dynamics.

## THOROUGHLY MODERN INSIDE AND OUT

With built-in Ethernet and Wi-Fi, and the award-winning BluOS software platform, the C 700 V2 has everything you need to play music through your favourite speakers. You can use the BluOS Controller app to select tunes from internet radio and over 20 different streaming services, or play music stored on an external drive connected to the C 700 V2's USB port.

Spotify Connect and Tidal Connect are included so you can control playback from the apps for those services; AirPlay 2 allows you to stream music from Apple devices and iTunes libraries. You can search for music that fits your mood using nothing but the power of your voice, thanks to support for Amazon Alexa and Apple Siri.

Like all BluOS-enabled components, the C 700 V2 has full MQA decoding and rendering capabilities. Its upgraded ESS Sabre ES9028 DAC will redefine your listening experience with unparalleled precision and breathtaking clarity. Whether listening to classical symphonies, modern rock, or blockbuster movies, the C 700 V2 unveils hidden layers of sound and delivers all the nuances of your high-resolution music streams, up to 24-bit/192kHz, from services such as Amazon Music Ultra HD, Qobuz, Tidal and more.

## CONTROL AND CONNECT

The C 700 V2 has a Moving Magnet phono stage in addition to a stereo RCA analogue audio input, as well as coaxial and optical digital inputs, for connecting disc players, game consoles, media adapters, and other components. There's also an HDMI eARC port for connecting compatible TVs. In addition to the loudspeaker outputs, the C 700 V2 has a subwoofer output jack. Using the BluOS Controller app you can set the crossover point for a seamless blend between the subwoofer and main speakers.

The C 700 V2 features two-way aptX HD Bluetooth, so you can listen to music through wireless headphones, and stream audio from any smart device. NAD offers software tools that allow the C 700 V2 to be integrated into smart home control systems from Control4, Crestron, Elan, RTI, and others. This allows you to integrate your music playback with the other smart functionality of your connected home, including lighting, shades, HVAC, and security. The C 700 V2 is also certified Roon Ready, so you can stream music from a Roon Core server.

## LEGENDARY VALUE

The NAD C 700 V2 BluOS Streaming Amplifier is a compact, stylish, all-in-one solution, designed with today's connected music lovers in mind. Small but mighty, it will thrill listeners with its effortless, dynamic sound. Out of the box, it can play music from a huge range of local, network-attached, and cloud-based sources. And with its digital and analogue inputs, the C 700 V2 plays nicely with legacy components.

The C 700 V2 can be used as a standalone music system or it can be integrated into a BluOS whole-home music system with as many as 63 additional zones, with full support for high-resolution audio. It can also be combined with other AirPlay 2 components for whole-home music. Ever since NAD introduced the legendary 3020 integrated amplifier in 1978, the NAD brand has been renowned for value, performance, simplicity and innovation. With the C 700 V2 BluOS Streaming Amplifier, NAD has completely updated that tradition for the streaming era.

# Specifications C 700 V2

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.

## GENERAL SPECIFICATIONS

Rated output power into 8 ohms	80W (ref. 20 Hz – 20 kHz at rated THD both channels driven)
Rated output power into 4 ohms	100W (ref. 20 Hz – 20 kHz at rated THD both channels driven)
THD (20 Hz - 20 kHz)	<0.05% (250mW to 80W 8 ohms) <0.04% (250mW to 100W 4 ohms)
Signal-to-Noise Ratio	>87 dB (A-weighted, ref.1W out 8 ohms 500 mV input)
Clipping power	>86 W (ref. 1 kHz 0.1% THD 8 ohms) >102 W (ref 1 kHz 0.1% THD 4 ohms)
IHF dynamic power	8 ohms: 100W 4 ohms: 125W
Damping factor	>115 (ref. 20 Hz – 20 kHz 8 ohms)
Frequency response	±0.3 dB (20 Hz – 20 kHz)
Tone controls	Treble: ±6.0 dB at 20 kHz Bass: ±6.0 dB at 60 Hz
Channel separation	>89 dB (1 kHz) >78 dB (10 kHz)
Input sensitivity (for 80W in 8 ohms)	Line In: 616 mV Digital In: -10.65 dBFS
Network Standby mode	<3W
Vacation mode	<0.5W

## PHONO IN, PRE OUT

THD (20 Hz – 20 kHz)	<0.5% at 2V out
Signal-to-Noise Ratio	>81 dB (A-weighted ref. 500 mV out 200 ohms source)
Input impedance (R and C)	46 kohms/100 pF
Input sensitivity	4.5 mVrms (ref. 2V 20 Hz - 20 kHz)
Frequency response	±0.3 dB (ref. 20 Hz - 20 kHz)
Maximum input signal at 1 kHz	<27 mVrms (ref. 0.1% THD)

## BluOS SECTION

### AUDIO

Supported Audio File Formats	MP3, AAC, WMA, WMA-L, OGG, ALAC
Supported Hi-Res Audio File Formats	FLAC, MQA, WAV, AIFF
Sampling Rates	up to 192 kHz
Bit depths	16 – 24

### CONNECTIVITY

Network connectivity	Ethernet RJ45, Gigabit 1000 Mbps Wi-Fi 5 (802.11ac), dual band
3rd Party integrations	AirPlay 2
Bluetooth codec	Bluetooth 5.0 aptX HD
Bluetooth connectivity	Two-Way (Receive and Headphone modes)
USB	Type A (FAT32 or NTFS formatted)

### USER INTERFACE

Supported operating system	Music playback from network shares on the following desktop minimum system requirement: Microsoft Windows version 10 and macOS versions 10.15
Mobile Application	Download BluOS App for iOS and Android devices as well as Windows and macOS desktops from their respective Application stores and BluOS downloads page - <a href="https://bluos.io/downloads">https://bluos.io/downloads</a>
Remote control	BC1 remote control



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**SUPPORTED SERVICES \***

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Music services	Amazon Music, Bugs, CustomChannels, Deezer, IDAGIO, KKBOX, Napster, Neil Young Archives, nugs.net, Pandora, Presto Music, Qobuz, QPlay, Qsic, SOUND-MACHINE, Spotify, TIDAL, Tunify
Free internet radio	Calm Radio, SiriusXM, iHeartRadio, LiveOne, Audacy, Radio Paradise, TuneIn
Integration services	Control 4, Crestron, ELAN, Lutron, Push, Roon, RTI, URC
Digital Assistant	Amazon Alexa, Siri

**DIMENSION AND WEIGHT**

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Unit gross dimensions (W x H x D) **	218 x 96 x 266 mm 8 5/8 x 3 13/16 x 10 1/2 inches
Net weight	3.0 kg (6.7 lbs)
Shipping weight	4.7 kg (10.3 lbs)

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\* Some supported services are not available in all geographic regions due to copyright laws and licensing agreements. Check supported services availability in your area or region.

\*\* Gross dimension includes feet, volume knob and extended rear panel terminals.

Specifications are subject to change without notice. For updated documentation and features, please check out [www.NADelectronics.com](http://www.NADelectronics.com) for the latest information about C 700 V2.

