

**Name: NAD M33 BluOS® Streaming DAC Amplifier****Year Released: 2020**

<b>Amplifier Specifications</b>	
LINE IN, SPEAKER OUT	
Rated output power	>200 W into 8 ohms, >380 W into 4 ohms
Rated output power, Bridge mode	>700 W into 8 ohms
Input sensitivity	865 mV (ref. 200W 8 ohms, Volume maximum)
THD (20 Hz – 20 kHz)	<0.003% (1W to 200 W, 8 ohms and 4 ohms)
Signal-to-Noise ratio	>98 dB (A-weighted, ref. 1 W out in 8 ohms) >120 dB (A-weighted, ref. 200 W out in 8 ohms)
Clipping Power	>210 W (0.1% THD 1 kHz at 8 ohms)
IHF dynamic power	8 ohms: 260 W 4 ohms: 520 W
Peak output current	>25 A (in 1 ohm, 1 ms)
Damping factor	>800 (ref. 8 ohms, 20 Hz to 6.5 kHz)
Frequency response	±0.2 dB (20 Hz -20 kHz) -3 dB at 60 kHz
<b>PREAMPLIFIER SPECIFICATIONS</b>	
LINE IN	47 kΩ /180 pF
Input impedance (R and C)	280 mV (ref. 500 mV out, Volume maximum)
Input sensitivity	2 Vrms/8 Vrms (low sensitivity mode)
Maximum input level 20Hz-20Khz	Treble: ±10 dB at 10 kHz, Bass: ±10dB at 100 Hz
Tone controls	47 kΩ /180 pF
<b>PREOUT</b>	
Maximum output level	3.9 Vrms (ref. 0.1% THD)
Signal-to-Noise ratio	>120 dB (A-weighted, ref. 2 V out)
Output impedance	100 ohms
<b>SUB OUT</b>	
Maximum output level	1.1 Vrms (ref. 0.1 % THD 100Hz)
Signal-to-Noise ratio	>102 dB (20 Hz-20 kHz, ref. 1V out)
THD+N	<0.005 % (refer 1.1 V 20 Hz-200 Hz)
Output impedance	680 ohms
<b>PHONO</b>	
Input sensitivity	MM: 1.2 mV, MC: 100 μV
Input impedance (R and C)	MM: 56 kΩ/100 pF, MC: 100 ohms/280 pF
Signal to noise ratio (ref. 2 V Preout A-weighted)	MM: >92 dB, MC: >76 dB
THD+N (ref 2V Preout 1kHz)	MM: <0.003%, MC: <0.02%
RIAA response accuracy MM/MC	±0.2 dB 20 Hz -20 kHz
<b>HEADPHONE</b>	
Output impedance	2.2 ohms
Output power	>100 mW/32 ohms
<b>BluOS SPECIFICATIONS</b>	
<b>AUDIO</b>	
Supported audio file format	MP3, AAC, WMA, OGG, WMA-L, ALAC, OPUS
Supported high- resolution audio file format	FLAC, MQA, WAV, AIFF
Sampling rate	Up to 192 kHz

Bit depths	16-24
<b>CONNECTIVITY</b>	
Network connectivity	Gigabit Ethernet RJ45, Wi-Fi 5
Supported network file share protocol	Server Message Block (SMB)
USB	1 x Type-A port for connection to USB memory stick (FAT32 or NTFS formatted) and supported peripherals
Bluetooth quality	aptX HD 5.0
Bluetooth connectivity	Two-Way (Receive and Headphone modes)
<b>USER INTERFACE</b>	
Supported operating systems	<ul style="list-style-type: none"> <li>• Microsoft Windows XP, 2000, Vista, 7, 8 to current Windows Operating Systems</li> <li>• MacOS versions</li> </ul>
Support mobile applications	<ul style="list-style-type: none"> <li>• Apple iOS devices (iPad, iPhone and iPod)</li> <li>• Android devices</li> <li>• Kindle Fire</li> <li>• Windows or macOS desktops</li> </ul>
Front panel	7-inch full colour touch screen
Remote control	HTRM 2 remote control
<b>SUPPORTED SERVICES</b>	
Streaming cloud services	Spotify, Amazon Music, WIMP, Qobuz, IDAGIO, Deezer, Murfie, nugs.net, TIDAL, Napster, Bugs, KKBOX, Taihe Music, ZONE, SOUNDMACHINE, RADIO.COM, and more
Free internet radio	TuneIn, iHeartRadio, Calm Radio, Radio Paradise, LiveXLive
Integration partners	Control4, RTI, Crestron, URC, push, iPort, ELAN, Lutron, Roon, AirPlay 2
Voice Control Integration	<ul style="list-style-type: none"> <li>• Amazon Alexa</li> <li>• Google Assistant</li> <li>• Apple Siri</li> </ul>
<b>POWER CONSUMPTION</b>	
Standby power	<0.5W (Auto standby ON)
	<40W (Idle Power)
<b>PHYSICAL SPECIFICATIONS</b>	
Dimensions (W x H x D)	435 x 133 x 396 mm 17 1/8 x 5 1/4 x 15 5/8 in
Shipping Weight	18.4kg (40.6 lb)