NAD

M33 BluOS™ STREAMING DAC AMPLIFIER

BluOS ENABLED | Hi Res AUDIO | FDP FULL DISCLOSURE POWER | HybridDigital | Dirac | Qualcomm aptX™ HD | MQA | <0.5W STANDBY | PURIFI

WORLD'S MOST ADVANCED AMPLIFIER ▼

With the employment of the new HybridDigital™ Purifi Eigentakt™ amplifier technology, the M33 follows NAD's long-standing tradition in identifying and developing cutting-edge amplification technology. With a minimum of 200W per channel on tap, the result is lifelike performance, exemplified by ultra-low distortion and noise. The measured performance is remarkable in that it nears the limits of even the most sensitive and sophisticated test equipment available.

The NAD Masters M33 is a true state-of-the-art audiophile amplifier in the traditional sense yet with a distinct difference: It fully caters to the modern world where the majority of music is delivered over the internet with an entire catalogue of recorded music readily available at your fingertips; a great convenience. Multi-room wireless audio capability multiplies the enjoyment.

BluOS™ HIGH-RES MUSIC STREAMING. EVERYWHERE ▼

Unusual in a class of products often associated with complexity is the M33's intuitive operation, courtesy of the seven-inch touchscreen colour display combined with BluOS. NAD considers it the most advanced network streaming and multi-room operating system available.

BluOS, the innovation leader in true wireless High-Resolution multi-room systems has a growing ecosystem of compatible products that tightly integrate hardware and software for an exceptional user experience.

Besides multi-room, another compelling feature of BluOS is its high-res streaming capabilities. BluOS supports the new standard for High Res streaming, Master Quality Authenticated (MQA). BluOS also supports some 20 free and paid subscription music services including Tidal, Deezer, Qobuz, Amazon HD, Spotify, Amazon Music, Slacker, TuneIn, nugs.net and many others. In addition, BluOS supports locally stored music libraries.

With BluOS, the M33 retains all the audiophile features and further adds a range of facilities that will expand its capabilities yet simplifies ease-of-use at the same time. Operable with the BluOS app, the supplied remote control or through hands-free control with any Amazon Alexa or Google Assistant device, the M33's front panel doesn't actually need to be touched. To expand the multi-room locations, adding additional rooms is both easy and affordable.

FEATURES & DETAILS

- BluOS™ Streaming Amplifier
- HybridDigital Purifi Eigentakt™ Amplifier
- Continuous Power: 200W into 8/4 Ohms
- Dynamic Power: 300W into 8 Ohms, 550W into 4 Ohms
- 32-BIT/384kHz ESS Sabre DAC
- 1GHz ARM® CORTEX A9 Processor
- Dirac Live Room Correction
- Color LCD touch display
- Supports Amazon Alexa and Google Assistant Voice Control Skills
- AirPlay 2 Integration
- Supports Siri Voice Assistant via AirPlay 2
- Two-way Qualcomm aptX® HD Bluetooth
- BluOS multi-room compatible
- Gigabit Ethernet
- Dual Band Wi-Fi 5 a/c/n
- HDMI eARC, USB Type A Input
- MM Phono Input
- 2 x Line Inputs
- AES/EBU XLR
- All digital inputs 24-bit/192 kHz capable
- 2 x Optical Inputs
- 2 x Coax Inputs
- XLR Balanced Line Input
- Preamp Output
- Two independent Subwoofer outputs, with selectable Crossover Frequency
- High Current Headphone Out
- 2 x MDC Slots for Future Expansion
- IR Input
- 12V Trigger In, 2 x12V Trigger Out
- Apps for iOS, Android, Mac OS, Windows,Crestron, Control4, RTI, URC, Elan, Lutron, iPort, KNX
- Wide variety of premium music services supported in App, including Amazon Music HD, Spotify,Tidal, Qobuz, TuneIn, Napster, Deezer, and many others

DIRAC ROOM CORRECTION INTEGRATED ▼

Experts agree that room acoustics are the weakest link in most sound systems with room reflections deteriorating tonal balance and dynamics. Dirac Live, one of the most highly regarded Room Correction systems available, not only adjusts for frequency response, but unlike other room correction systems, it also optimises the impulse response. By optimising the speaker/room interface, music sounds more natural and lifelike.

Supplied with the M33 is a precision microphone to measure the room at and around the listening position so your system can be precisely calibrated for optimum performance. The result is substantially improved musical staging, clarity, voice intelligibility, as well as a deeper and tighter bass.

Each of the five Dirac memory profiles can store a unique room measurement (think of the different acoustics with curtains open or closed, different listening position, for instance), or different frequency target curves to suit a particular musical taste or genre.

MODULAR DESIGN OFFERS MAXIMUM FLEXIBILITY ▼

In its standard form, the M33 is very complete. It features a wide range of inputs and outputs, BluOS, Dirac Live, HDMI and more, already fully integrated. It will meet the requirements of the most demanding users.

To minimize the risk of future obsolescence, the M33 comes with two MDC (Modular Design Construction) slots that allow for further expansion. NAD introduced the MDC platform well over a decade ago and allowed updating products with new technologies which didn't even exist at time of introduction.

CONNECTION AND WIRELESS FLEXIBILITY ▼

Whether looking to connect digital or analogue sources, the M33 comes well equipped to accommodate 6 digital inputs and 3 analogue inputs, including MM/MC phono.

The rear panel hosts two sets of speaker outputs capable of bi-wiring and two independent Subwoofer outputs with a fully configurable Digital Crossover. Apple Airplay 2 and Qualcomm aptX HD Bluetooth allow for local wireless streaming from a phone or tablet.

PHONO AND HEADPHONES ARE NOT FORGOTTEN ▼

The M33 has a high-quality selectable MM or MC phono stage that rivals specialized outboard units. Accurate RIAA equalization, a clever phase cancelling infrasonic filter, and a huge overload margin combine to bring out the best in LPs.

Furthermore, if you are a headphone enthusiast, you'll delight at the sound of the discrete headphone amplifier, which is able to drive even planar and high impedance studio headphones. With high voltage and low output impedance, your headphones will sound their best. If you want to enjoy headphones but not be tethered to a cable, the integrated Qualcomm aptX HD Bluetooth module makes it simple.

ATTRACTIVE DESIGN WITH ERGONOMIC BEAUTY ▼

The all aluminium casework is elegant yet practical. The single control knob for volume is supplemented by a colour LCD touchscreen display. Rigid panels with magnetic iso-point feet provide a solid foundation for the multi-layer circuit boards and intricate internal construction. The M33 employs a completely modern and fresh take on the traditional stereo amplifier, with forward thinking features and performance.

EASY SMART HOME INTEGRATION ▼

BluOS provides hands-free control with full integration of any Amazon Alexa or Google Assistant device. Through Apple AirPlay 2, control is also possible with Siri.

Considerable effort has been spent to make the M33 fully compatible with all the leading smart home systems from leading companies like Apple, Crestron, Control4, Lutron, KNX and many others.

This means that along with lighting, shades, HVAC, and security, the integrator or user can seamlessly control the BluOS multiroom music system from a common interface. All integrations are certified for reliable operation. The custom BluOS Apps for iOS and Android tablets and phones, as well as desktop control from Windows and macOS are available free-of-charge and are updated regularly.

Specifications M33 ▾

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.

AMPLIFIER SPECIFICATIONS	
LINE IN, SPEAKER OUT	
Rated output power (ref. 20 Hz-20 kHz at rated THD, both channels driven)	>200 W into 8 ohms, >380 W into 4 ohms
Rated output power, Bridge mode (ref. 20 Hz – 20 kHz at rated THD)	>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 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

PREAMPLIFIER SPECIFICATIONS	
LINE IN	
Input impedance (R and C)	47 kohms/180 pF
Input sensitivity	280 mV (ref. 500 mV out, Volume maximum)
Maximum input level 20Hz-20Khz	2 Vrms/8 Vrms (low sensitivity mode)
Tone controls	Treble: ±10 dB at 10 kHz, Bass: ±10dB at 100 Hz
PREOUT	
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
SUBOUT	
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
PHONO	
Input sensitivity	MM: 1.2 mV, MC: 100 µV
Input impedance (R and C)	MM: 56 kohms/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
HEADPHONE	
Output impedance	2.2 ohms
Output power	>100 mW/32 ohms

Specifications M33 (continued)▾

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.

BluOS SPECIFICATIONS

AUDIO

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

CONNECTIVITY

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)

USER INTERFACE

Supported operating system**	Music playback from network shares on the following desktop operating systems: Microsoft Windows XP, 2000, Vista, 7, 8 to current Windows Operating Systems and macOS versions**
Mobile Application	Free BluOS Controller App available for download from the respective App stores of Apple iOS devices (iPad, iPhone and iPod), Android devices, Kindle Fire and Windows or macOS desktops
Front panel	7-inch full colour touch screen
Remote control	HTRM 2 remote control

SUPPORTED SERVICES

Streaming cloud services*	Spotify, Amazon Music, WiMP, Qobuz, IDAGIO, Deezer, Murfie, nugs.net, TIDAL, Napster, Bugs, KKBOX, Taihe Music ZONE, SOUNDMACHINE, RADIO.COM
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***	Skills and support for Amazon Alexa, Google Assistant and Apple's Siri with corresponding enabled devices and App

POWER CONSUMPTION

Standby power	<0.5W (Auto standby ON)
	<40W (Idle power)

DIMENSIONS AND WEIGHT

Dimensions WxHxD	435 x 133 x 396 mm (17 1/8 x 5 1/4 x 15 5/8 inches)
Shipping Weight	18.4kg (40.6 lb)

*	- Supported audio file format, cloud services and free internet radio are subject to change without notice.
**	- Compatibility to latest versions is subject to future software update.
***	- Some features will be available via future software update.
****	- Gross dimension includes feet and extended rear panel terminals