



M32 DirectDigital™ Amplifier

MASTERS SERIES



M32 Masters Series DirectDigital™ Amplifier

NAD has redefined the modern Audio Component System in an entirely new way, starting with the M2 DirectDigital™ Amplifier a few years ago, and culminating last year with the groundbreaking M12 Preamp DAC and M22 power amplifier. Here, for the first time, was an incredibly flexible (14 inputs!), future proof (thanks to the 6 MDC slots – more on that later), preamp that produces virtually no noise of its own and can handle all recording resolutions, including High Res 24/192 Audio. With all functions controlled by software, new features and functions can be added at any time – now or in the future! This innovative control center matches perfectly with the M22 250wpc amplifier with its sophisticated power supply and innovative output stage. These component audio separates have only two possible shortcomings: size and price. The M32 elegantly answers both of these concerns.

Redefining the integrated amp

The traditional integrated amp included the preamp control center with the power amp in a single chassis. One chassis is approximately half the cost of two, allowing for a significant savings. The only downside was the reduced flexibility and possible interference by the high voltage power circuits to the highly sensitive preamp stages caused by cramming everything into one box. In the new digital age these limitations disappear. We can keep the signal in the digital domain right up to the speaker outputs, making the M32 preamp impervious to interference from the power stage. Concerns about limited flexibility are completely erased by NAD's innovative Modular Design Construction, which allows a greater density of inputs as well as the flexibility to upgrade complete circuits as future technologies unfold.

Modular design offers maximum flexibility

By placing inputs and associated circuitry on uniform replaceable modules, the M32 can be custom tailored to cater to your exact requirements. There are a total of 4 MDC slots, and 3 are available for expansion. The preinstalled module is the SPDIF Module, including AES/EBU, 2 x Coax and 2 x Optical, all 24/192 capable. Additionally there is a USB B port for connecting computers as well.

The preamp is replaced by software

The audio pioneer known for his superb minimalist designs, Stewart Hegeman, once quipped that the perfect amplifier would be "a straight wire with gain." With the M32 we have moved another step closer to that ideal by combining all preamp and power amp functions into a single amplifying stage controlled by software. Highly advanced mathematics determines all control functions including volume and filters. This produces a dramatic reduction in noise and distortion, and brings you much closer to both the music and the performers. Traditional volume controls that change the gain in an active analog circuit cannot approach the transparency of the M32. It also allows 'perfect' tone controls that only change tone, they don't add phase shift or distortion; there is no extra circuitry to get in the way. Plus, you can also easily bi-wire or add a subwoofer(s) with the built-in electronic crossover.

Ready for Hi Res Audio

By simply adding the optional BluOS MDC Module, the M32 becomes part of the BluOS ecosystem. Unlike UPnP or Airplay which rely on middleware to translate between different platforms; BluOS is a true operating system unlimited by reliance on middleware or computers. Quickly becoming the leader in High Resolution Network Audio, BluOS is a complete music management system that brings all your music together, whether it is on hard drives or the cloud, into one easy to use control App. It is also a wireless multi-room system fully compatible with the amazingly affordable Bluesound ecosystem of wireless players and speakers.

Phono and headphones are not forgotten

The M32 also has 2 x Line Inputs and a MM Phono Input that sounds incredible with vinyl. Accurate RIAA equalization, a clever phase cancelling infrasonic filter, and a huge overload margin

combine to bring out the best in your LPs. Furthermore, if you are a headphone enthusiast you'll be thrilled at the sound of our discrete headphone amplifier, which is able to drive even planar and high impedance studio cans. With high voltage and low output impedance, your phones will sound their best.

DirectDigital™ defined

With 150W x 2 power on tap, the M32 can make almost any speaker sing. More importantly, the M32 has virtually no distortion, and a damping factor that is off the chart at >1,000. This is all due to the innovative Direct Digital Feedback Amplifier built under license from Cambridge Silicon Radio (CSR), which uses a form of digital error correction that is incredibly fast and accurate. This is a true digital amp (not just Class D) that is computer controlled and amplifies entirely in the digital domain, converting to analog at the speaker terminals. This gives it the shortest signal path in audio history!

Attractive design with ergonomic beauty

The all alloy casework is elegant and practical. The single control knob for volume is supplemented by a TFT touchscreen display, which replaces a multitude of mechanical switches and expands the range of adjustments possible with detailed graphical readouts. An IR remote is also included. Because the controls are all software defined, we can add new controls and features by simply upgrading to new firmware. This is quite revolutionary and works hand-in-hand with MDC to create a future-proof digital music player. Rigid panels with magnetic iso-point feet provide a solid foundation for the multi-layer circuit boards and intricate internal construction. The M32 is a completely modern and fresh take on the traditional stereo amplifier, with features and performance from the future.

