

NAD

NAD Masters M23 Stereo Power Amplifier

FDP

<0.5W
STANDBY

PURIFI



A NEW PINNACLE OF POWER, PERFORMANCE, AND VALUE ▼

The NAD Masters M23 HybridDigital Stereo Power Amplifier features Eigentakt™ amplifier technology, a once-in-a-decade innovation that virtually eliminates harmonic and intermodulation distortion; and delivers wide, flat frequency response regardless of the loudspeaker load. The result is transparent, detailed sound with pinpoint stereo imaging, at all listening levels and with all types of program material – even during complex musical passages. Conservatively rated at 2x200W continuous into 8 ohms and 2x380W into 4 ohms, the M23 can deliver live performance levels through any loudspeaker.

A NEWER, PURER SOUND ▼

Continuing NAD's long tradition of identifying and developing cutting-edge amplification technology, the M23 Stereo Power Amplifier employs Eigentakt™ class-D amplifier modules manufactured by NAD under license from Purifi. Harmonic and IM distortion are almost immeasurable at all frequencies and output levels. Noise is inaudible, for a black background and outstanding micro-detail. Output impedance is extremely low, which translates to iron-clad control of any loudspeaker load.

Amazingly powerful and transparent, the M23 can deliver 2x260W of dynamic power into 8 ohms and 2x520W into 4 ohms.

IN A CLASS OF ITS OWN ▼

The ideal amplifier will combine vanishingly low distortion, ultra-high damping factor, and rock-solid stability with any loudspeaker. There are many amplifiers that perform well in one or two of these areas but fall short in others. Purifi's ground-breaking Eigentakt™ technology and NAD's proven switch-mode power supplies enable the M23 to excel in all these areas – without the excess weight and cost of the old-fashioned linear power supplies and class-AB output stages used with traditional amplifiers. In all these areas, Eigentakt™ outperforms previous class-D implementations by a significant margin.

FEATURES & DETAILS

- ▶ HybridDigital Purifi Eigentakt™ amplifier technology
- ▶ Continuous Power Output: 2x200W into 8 ohms; 2x380W into 4 ohms
- ▶ Dynamic Power Output: 2x260W into 8 ohms; 2x520W into 4 ohms
- ▶ Bridged Power Output: 700W mono continuous into 8 ohms
- ▶ Virtually immeasurable noise, harmonic distortion, intermodulation distortion
- ▶ Wide, flat frequency response into any loudspeaker load
- ▶ Balanced (XLR) and single-ended (RCA) auto-sensing inputs
- ▶ Three-position adjustable gain control
- ▶ 12V trigger input

**DIGITAL
CINEMA****AVAILABLE AT
DIGITAL CINEMA**



FLEXIBILITY ▼

Equipped with single-ended RCA and balanced XLR auto-sensing inputs, three-position gain-control switch, and 12V trigger input, the NAD Masters M23 Stereo Power Amplifier can easily be integrated into a high-performance separates system. The M23 can operate in bridged mode, delivering 700W continuous power into 8 ohms. Two M23 amplifiers operating in bridged mode can be paired together, or listeners can combine the M23 with NAD's award-winning Masters M33 BluOS Streaming Amplifier, both operating in bridged mode, to configure a staggeringly powerful system with 700Wpc continuous output.

PRACTICAL ELEGANCE ▼

With its elegant all-alloy casework, the M23 Stereo Power Amplifier has the quality of construction for which NAD's Masters Series is renowned. Rigid panels and magnetic iso-point feet provide a rock-solid foundation for the M23's multi-layer circuit boards and intricate internal construction. The result is an amplifier that is as pleasing to the eye as it is thrilling to the ears. Offering a unique combination of features, performance, and value, the M23 represents the new benchmark for the stereo power amplifier.

Specifications M23 ▾

ANALOG AUDIO INPUT/SPEAKER OUT	
Input impedance (R and C)	Single-ended: 56 kohms + 200 pF Balanced: 56 kohms +200 pF
Frequency response (1W into 8 Ohms)	±0.06dB (20-20kHz)
Rated output power into 8 Ohms and 4 ohms(Stereo mode) 80 W (ref. 20 Hz-20 kHz at rated THD, both channels driven)	>200W into 8 Ohm, >380W into 4 Ohm
Rated output power into 8 Ohms (Bridge mode, ref. 20 Hz-20 kHz at rated THD, both channels driven)	>700W into 8 Ohm
THD (20 Hz – 20 kHz)	<0.00069% (XLR), <0.0013% (RCA)
Signal-to-Noise Ratio	>101.7 dB (1W into 8 Ohm) >127 dB (200W into 8 Ohm)
Clipping power (Stereo mode, at 1 kHz 0.1 % THD)	>210 W (0.1 % THD 1 kHz 8 ohms)
Clipping power (Bridge mode, at 1 kHz 0.1 % THD)	> 770W
IHF dynamic power (Stereo mode, at 1 kHz)	8 ohms: 260 W 4 ohms: 520 W
IHF dynamic power (Bridge mode, at 1 kHz)	1017W
Peak output current	>25 A (in 1 ohm, 1 ms)
Damping factor	>800 (ref. 8 ohms, 20 Hz to 6.5 kHz)
Frequency response	±0.06 dB (stereo), ±0.054 dB (bridged) 20 Hz -20 kHz -3 dB at 60 kHz
Channel separation	High gain RCA: >97dB, Low gain XLR: >115dB (1kHz) High gain RCA: >75dB, Low gain XLR: >96dB (10kHz)
Stereo Mode input sensitivity (for 200 W in 8 ohms)	Low gain: 4.5V (low gain), 2.5V (Mid gain), 1.4V (High gain)
Stereo Mode Gain	19dB (low), 23.9dB (mid), 29.2 (high)
Bridge Mode Gain	25.1dB (low), 30dB (mid), 35.2 (high)
Standby Power	<0.5W
DIMENSIONS AND WEIGHT	
Gross dimensions (W x H x D)	435 x 133 x 396 mm (17 1/8 x 5 1/4 x 15 5/8 inches)
Net Weight	9.7 kgs / 21.4 lbs
Shipping Weight	17.5 kgs / 38.5 lbs

*Some features will become available via future software update **Supported cloud services and free internet radio are subject to change without notice. ***Gross dimension includes feet and extended rear panel terminals. Specifications are subject to change without notice. The M23 will include a license for Dirac Live with the option for advanced users to upgrade to a Dirac Live Full Frequency version. Check out www.NADelectronics.com for updated documentation or latest information about M23.

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