

# MOMENTUM MxV INTEGRATED AMPLIFIER



## THE ULTIMATE INTEGRATED

The Momentum MxV Integrated Amplifier by Dan D'Agostino Master Audio Systems achieves a level of performance never before possible in an integrated amplifier. Combining the front-end technology from the Momentum HD Preamplifier and the power section of the Momentum MxV amplifier, it delivers Momentum Series performance in a compact framework only hinting at the advanced circuitry within. Employing a configurable, modular design, the core line stage section can be augmented to include a digital streaming and/or phonostage module. When fully equipped, the Momentum MxV Integrated Amplifier topology is a seamless circuit working as one from input to output, optimizing performance in a way otherwise not possible.

## SERIOUS POWER SUPPLY

Defying its size, the Momentum MxV Integrated Amplifier is a powerhouse. A new ultra-quiet 2,000VA linear transformer with unique toroidal winding technology, first used in the Momentum M400 Mono Amplifier, delivers greater power output than a conventional transformer. This engine drives a nearly 60,000  $\mu\text{F}$  capacitor bank resulting in 250/500/1,000 watts of power output into 8/4/2 $\Omega$  speaker loads. Internal circuitry filters RF noise from the AC powerline and compensates for asymmetric power waveforms and DC on the mains. Isolating the audio signal physically and electrically from the power supply section requires two separate chassis that elegantly interlock through 30-pin, 30-amp, gold-plated connectors.

## ADVANCED AUDIO CIRCUITRY

Every section of the Momentum MxV Integrated Amplifier benefits from advancements pioneered in the Relentless and Momentum Series. In the preamplifier, six left and right circuit boards make up the input, volume control, and output sections. The advantage of an integrated amplifier is the direct connection of the preamplifier amplifier stage to the amplifier input section, eliminating connector and cable anomalies that potentially impact electrical and sonic performance. Crucial to the new circuit are the new bipolar transistors powering the front end of the amplifier that deliver 10 times the current and power of devices previously employed. These wider-bandwidth, higher-power components extend low- and high-frequency performance with reduced distortion. Energizing the driver stage is a new bias stability circuit providing a nearly 50% increase in operating bias. Increasing Class A operation directly correlates to better sound quality. A unique copper aluminum thermal engine heatsink and new bias scheme prevent

excessive temperatures even under the greatest demand. Additional power transistors in the output stage reduce workload for each device, minimizing stress and allowing the entire output section to work more efficiently. The final output stage features new output transistors sourced for the Relentless Mono Amplifiers. A total of 28 high-speed, high-output transistors are used, each mounted with two stainless steel fasteners—a rarity among flat-package transistors—for maximum thermal transfer to the copper heat sinks. A capacitor/resistor network connected to the base of each transistor ensures stability even at high frequencies and with low-impedance speakers. As with all Dan D'Agostino Master Audio Systems components, the Momentum MxV Integrated Amplifier features discrete, direct-coupled, balanced circuitry, the most accurate circuit platform possible.

### DIGITAL STREAMING AND PHONOSTAGE MODULES

An optional digital streaming module vaults the Momentum MxV Integrated Amplifier to the cutting edge of today's digital listening environment, adding connectivity for legacy sources and premier streaming functionality. Field upgradable, the digital module adds SPDIF coaxial, Optical, and USB-A for legacy digital components and Ethernet and Wi-Fi for network-based music. The iOS D'Agostino DSM App provides built-in Tidal, Qobuz, and MQA decoding, plus complete unit control. PCM signals up to 32 bit/192 kHz and DSD signals up to DSD1024 are supported. An optional phonostage module for MM and MC cartridges supports low-output moving-coil cartridges with over 60 dB of gain and loading options from 100Ω–47kΩ.

Both chassis of the Momentum MxV Integrated Amplifier are machined from solid aluminum for superior shielding, thermal stability, and vibration damping. High-precision milling allows the casework to fit together with no visible fasteners. Each unit is hand-built and individually tested in D'Agostino's Arizona factory by our team of technicians and craftsmen.



Optional digital streaming module

### SPECIFICATIONS

Frequency Response	0.1 Hz to 100 kHz +0/-3 dB 20 Hz to 20 kHz, ±0.1 dB
Signal-to-Noise Ratio	75 dB, unweighted
Total Harmonic Distortion	250 watts @ 8Ω 0.05% @ 1 kHz
Input Impedance	1 MΩ
Output Impedance	7 Ω
Power Output	250 watts @ 8Ω / 500 watts @ 4Ω / 1,000 watts @ 2Ω
Analog Inputs	3 pr balanced XLR, 1 pr single-ended RCA
Control	RS-232, 12V trigger
Digital Inputs (w/DSM)	1 ea USB A type, Optical, SPDIF coaxial, Ethernet RJ45, Wi-Fi
Outputs	1 pr balanced XLR, 2 pr Speaker Binding Post, 1¼-inch Headphone
Dimensions (W x H x D)	18.25 x 9.5 x 17.8 in / 46.4 x 24.1 x 45.2 cm
Weight	112 lb / 50.8 kg
Finish	Silver / Black / Custom finishes

Shown with optional turndown digital streaming module

