

Nº 536 MONAURAL AMPLIFIER

mark
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MONAURAL AMPLIFIER № 536

standby





The pursuit of perfect amplification is a well-known theme in high-end audio. New technologies present new approaches, while looking to the past provides inspiration for the future. It was in that spirit that the Mark Levinson® № 536 Monaural Power Amplifier was developed: an amplifier advised by the traditions and art of classic amplifier design, and infused with modern technology.

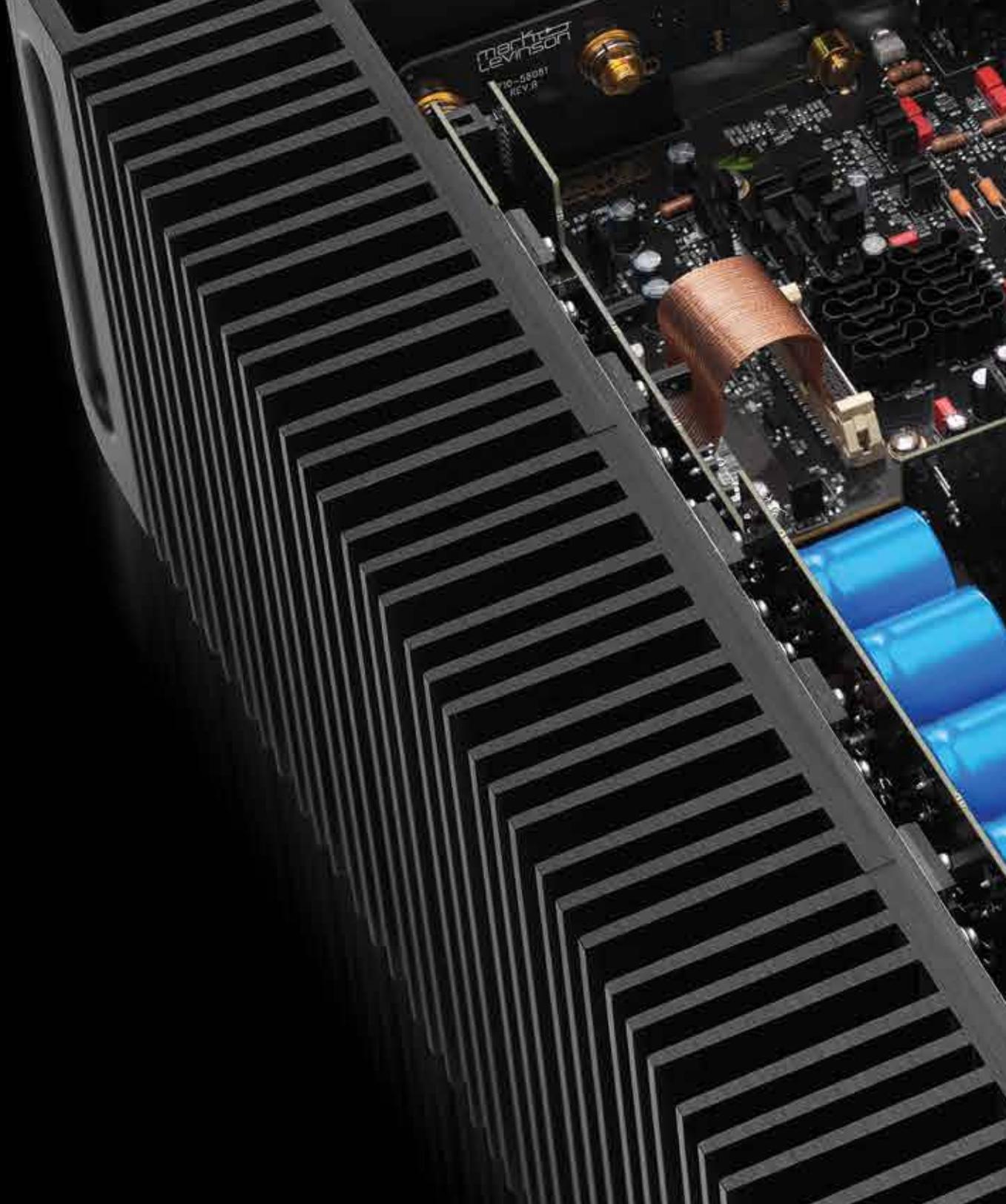
This fully differential, fully discrete amplifier drives virtually any loudspeaker effortlessly for impeccable imaging, musicality, and openness. Its direct-coupled signal path; a highly linear, low-feedback design; and voltage gain and drive stages operating in class A, are joined by the modern system integration capabilities provided by Ethernet, RS-232, and USB for monitoring and network control.

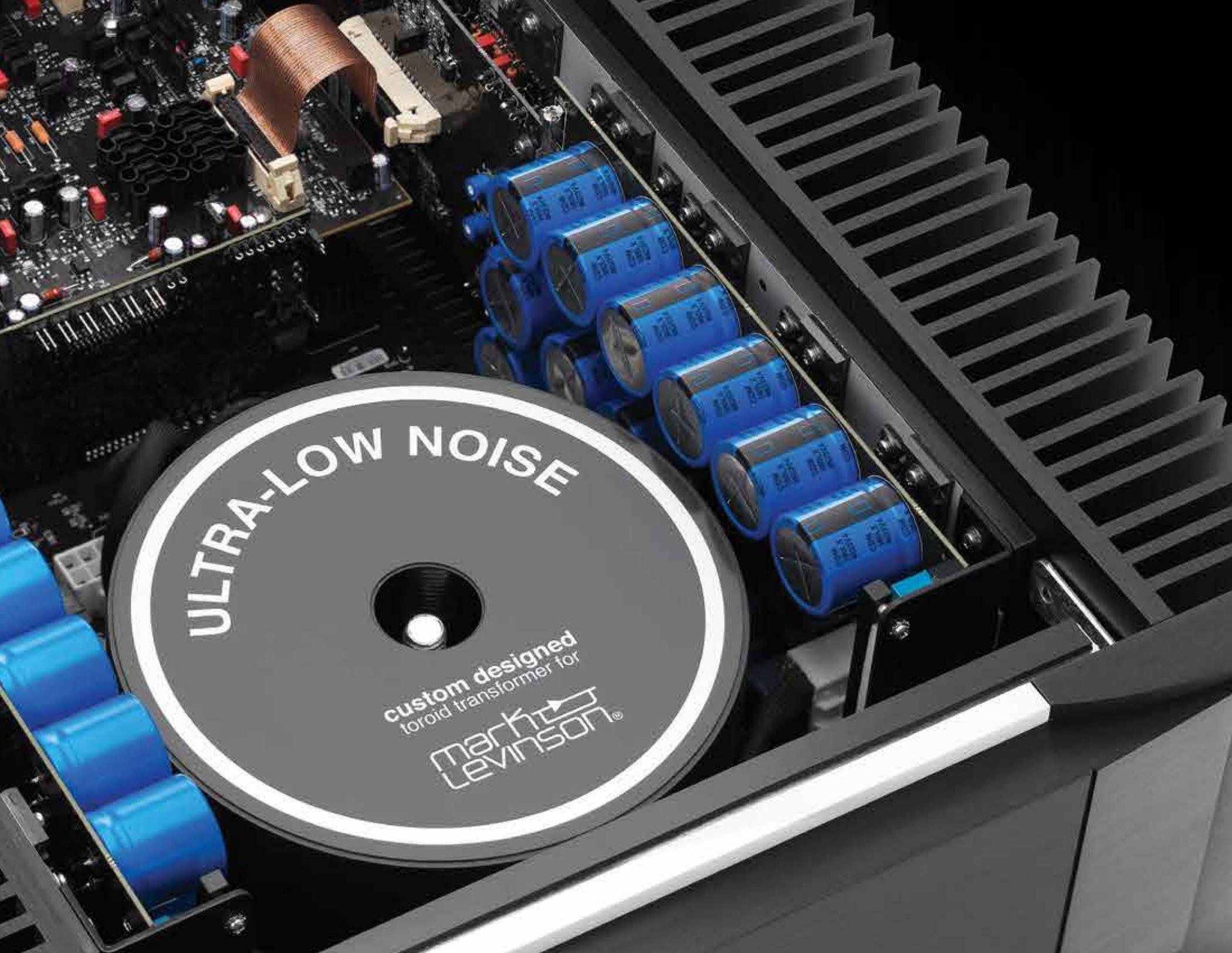
PRECISION. POWER. PURITY.

Since 1972, Mark Levinson has been dedicated to the uncompromising art of sound, with the guiding principle of musical purity above all else. To achieve that goal like never before, Mark Levinson engineers scoured company archives, ultimately developing a proprietary, new, yet familiar amplifier design philosophy featuring outstandingly high current and tremendous open-loop linearity.

A discrete, direct-coupled, fully balanced signal path, and high current, low-feedback design delivers tremendous open-loop linearity. And at the meeting place of science and art, Mark Levinson engineers are tasked to create the best possible measured AND subjective performance.

“Everything should be made as simple as possible, but not simpler.”
- Albert Einstein





ULTRA-LOW NOISE

custom designed
toroid transformer for

mark
levinson®

DESIGN PHILOSOPHY

Because the N° 536's circuitry was designed to have such intrinsically high performance, it requires very little feedback to achieve impeccably low distortion and enormously wide bandwidth. Employing unusually high bias current enables superb linearity, near-immunity to the effects of parasitic capacitances, and ability to change voltage with unreserved agility.

These design principles create the hallmarks of Mark Levinson amplification: effortless, openness, and unadulterated smoothness throughout the entire frequency range, regardless of load or listening level.





MADE IN THE USA

Designed and assembled entirely in the United States, all Mark Levinson products are handcrafted and tuned to perform beyond expectations. Attention to detail is evident even in individual components, each of which is carefully selected and precisely placed for ultimate sonic purity and visual composition.

The design process takes place at the Engineering Center of Excellence located in Shelton, CT with invaluable support and contribution from the Acoustical Center of Excellence located in Northridge, CA. Final manufacturing takes place under strict Mark Levinson engineering supervision at an ISO9001 facility located in Massachusetts.

ART MEETS SCIENCE

Mark Levinson takes pride in both the art and science of engineering. To that end, components are selected based not only on their technical merits, but also on their sonic capabilities.

The Mark Levinson № 536 Monaural Amplifier contains 12 discrete 15A, 260V, 200W TO-264 bipolar output transistors per output stage (24 total); and 12 discrete 230V, 70MHz TO-220 bipolar driver transistors per output stage (one for each output transistor, 24 total). Its power supply contains eight discrete, high speed, 40A, 250V TO-220 Schottky rectifiers per output stage (16 total) and 18 filter capacitors per output stage (36 total) for a grand total of 169,200 microfarads of storage capacitance.



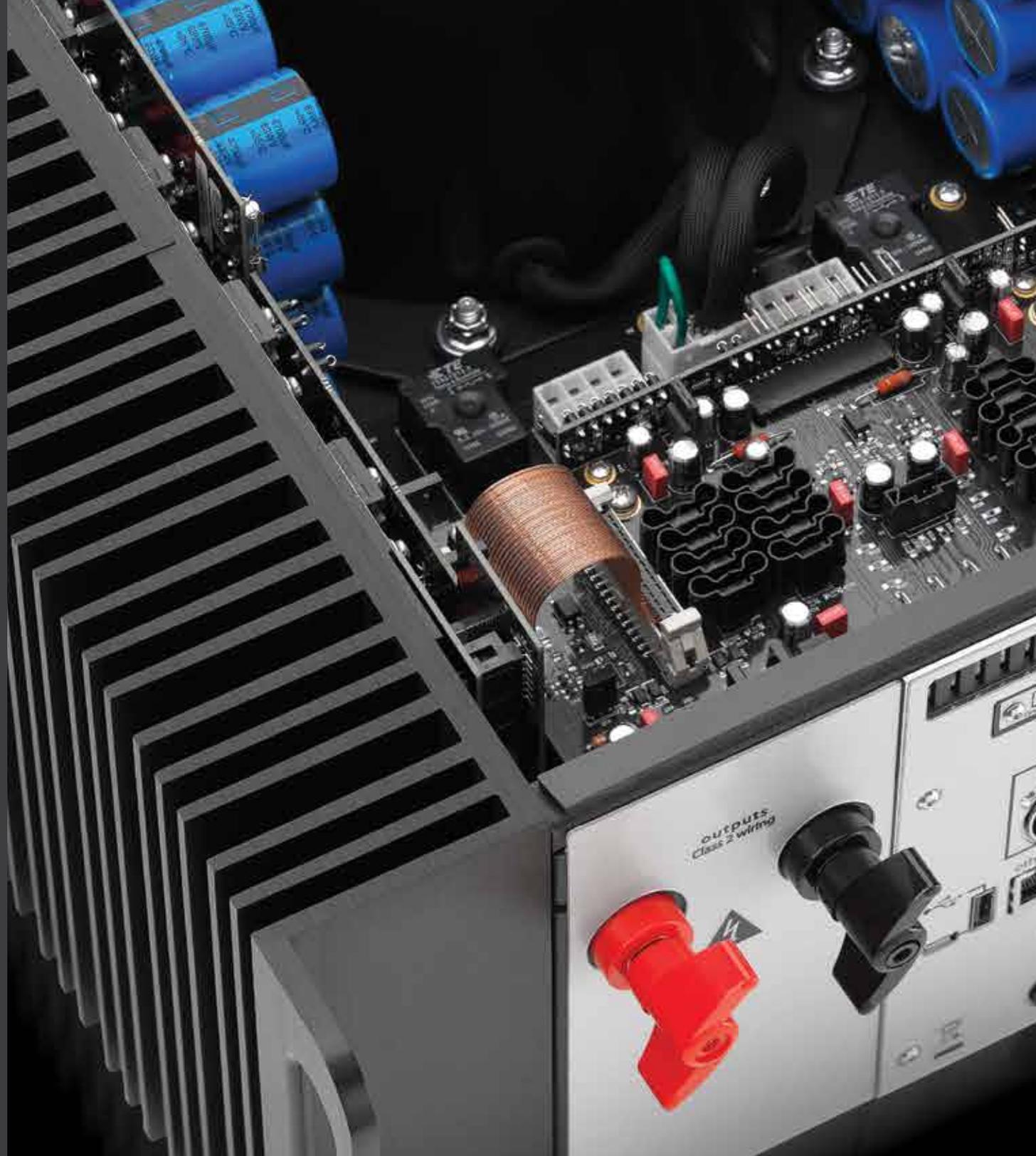


The № 536 also features a custom-designed, low noise toroidal transformer, rated for 1,800VA total continuous power with separate secondary windings for each output stage. The output stage and power supply components are over-specified to offer unsurpassed performance and reliability.

The input stage of the № 536 contains two matched-pair, low-noise, high-gain, dual JFET input transistors, which in turn are connected in a double cascode configuration to bipolar transistors; the combination of devices offers inherently low distortion and wide bandwidth, as well as the ability to effortlessly swing large signal voltages. This circuit operates in a fully balanced, differential configuration and uses discrete TO-126 bipolar pre-driver transistors to accurately drive the massive output stages.

IN SUMMARY

- Fully differential, Class AB high-current architecture
- Fully discrete and differential signal path, input to output
- High linearity, low-feedback design for low distortion and wide bandwidth
- Voltage gain and driver stages operate in class A
- Direct coupled: no capacitors in the signal path
- Custom-designed, low-noise 1800VA toroidal transformer
- High current linear power supplies employing low noise, high speed discrete Schottky rectifiers and multiple paralleled filter capacitors
- Mirror-image symmetrical design
- Binding posts with Hurricane terminals for standard and bi-wired loudspeaker connections
- System controls: Ethernet, RS-232, IR input, 12V trigger input and output, USB





SPECIFICATIONS

Input Connectors: one XLR Balanced, one RCA Unbalanced

Speaker Connectors: two pairs of Hurricane loudspeaker outputs with banana-plug sockets (except on 230 VAC version)

Control Connectors: Ethernet, RS-232, Trigger In, Trigger Out, USB-A, Mini USB

Output Power: 400W RMS @ 8 Ω , 800W RMS @ 4 Ω , 20Hz to 20kHz at <0.25% THD

Frequency Response: 10Hz to 20kHz \pm 0.05dB

Signal-to-Noise Ratio: >85dB, reference level: 2.83 VRMS

Input Impedance: 60 k Ω balanced; 30 k Ω unbalanced

Voltage Gain: 25.5dB

Input Sensitivity: 2.83VRMS output at 150mV input

Power Requirements: 100V~, 120V~, 230V~, factory set for destination country, 1500W

Dimensions

Height (with feet): 7.65" (19.4 cm)

Width: 17.75" (45.1 cm)

Depth: 19.83" (50.4 cm)

Weight

Net weight: 100 lb (45.4 kg)

Shipping weight: 117 lb (53 kg)



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