

Nº436 & Nº434

MONO POWER AMPLIFIERS



mark
levinson®
MADRIGAL AUDIO LABORATORIES



N°436

N°436 & N°434

MONO POWER AMPLIFIERS

Power amplifiers are core components of any high performance entertainment system. Their task is formidable - they must comfortably drive any of a wide variety of demanding speakers while preserving all the power and nuance of the source material. The ability to maintain sonic neutrality, while exercising brute force or finesse as appropriate, is an

attribute that has made Mark Levinson power amplifiers the standard in the industry for nearly 30 years.

The N°436 and N°434 continue the Mark Levinson tradition in a design that is perfectly suited to multi-channel audio and theater installations as well as two-channel systems. A sophisticated thermal management system that incorporates cross-cut exposed internal heat sinks makes the N°436 and N°434 ideal for systems where space and ventilation are

limited. Built to be rack-mountable, the

N°436 and N°434, in combination

with the rest of the 400

Series power amps,

offer a wide range

of options for high-

end multi-channel

systems.



N°436 Interior

The physical and sonic properties of the N°436 and N°434 are built upon



the Mark Levinson power amplifier tradition. The power supply is the foundation that all of the audio circuitry is built upon. Both amps benefit from a massive, dedicated, independent linear power supply. Our ongoing listening tests continue to confirm that abundant clean power is essential for high performance. Precise control of this power reserve is the task of the amplifier's voltage gain and output stage circuitry. Mark Levinson amplifiers have always featured precision circuitry designed to fully exploit balanced signals. Rather than adding op-amp buffers, or simply duplicating circuitry for both halves of the balanced input signal as many other amplifiers do, Mark Levinson amplifiers feature an advanced, inherently balanced topology for greater efficiency, performance and sonic benefits. The N°436 and N°434 have power ratings of 350 and 125 watts into 8 Ohms, and 700 and 250 watts into 4 Ohms, respectively.

As with all Mark Levinson amplifiers, particular attention is paid to the layout and circuitry connections. All circuit boards are laid out by our engineers rather than by a computer

program. These new amplifiers outperform their predecessors in part because of the refinement of circuit layout. Additionally, the ultra high performance parts that make up the balanced circuits are able to work to their full potential because they reside in the most neutral circuit board material known as Arlon 25. The output stage of these new amplifiers is similar to our other power amplifiers. The matched output transistors continue to be the best performing parts available for this application and they are mounted directly to the exposed internal black anodized aluminum heat sinks.

The N°436 and N°434 set a new standard for multi-channel and theater audio. Powerful, elegant, and musical, these remarkable products combine stunning audiophile performance and system flexibility without compromise.



N°436

N°436/434 Mono Power Amplifiers

Rated power output:	<p>N°436 350W/ch continuous rms power @ 8Ω 700W/ch continuous rms power @ 4Ω</p> <p>N°434 125W/ch continuous rms power @ 8Ω 250W/ch continuous rms power @ 4Ω</p> <p>all above power ratings measured as continuous (rms) power from 20Hz–20kHz with no more than 0.5% THD (assuming that the AC mains can deliver adequate current, without its own voltage sagging)</p>
Frequency response:	within 0.3dB from 20Hz to 20kHz
Signal-to-noise ratio (main outputs):	better than –80dB (ref. 1W, 8Ω)
Voltage gain:	26.8dB
Input impedance:	100kΩ (balanced) 50kΩ (single-ended)
Input sensitivity:	<p>N°436 2.42V for full rated output</p> <p>N°434 1.44V for full rated output</p>
Output impedance:	less than 0.05Ω from 20Hz to 20kHz
Power consumption:	<p>N°436 typically 525 watts (±5%) on typically 100 watts (±5%) in standby</p> <p>N°434 typically 275 watts (±5%) on typically 100 watts (±5%) in standby</p>
Mains voltage:	100V, 120V, 200V, 220V, or 240V at either 50 or 60Hz, factory set for destination country
Connector complement:	<p>(1) pair custom binding posts (1) balanced input on XLR (1) single-ended input on Madrigal RCA (1) 3.5mm trigger out jack (1) 3.5mm trigger in jack (1) RJ-45 communications port (Mark Levinson Linking™) (1) RJ-11 communications port (Mark Levinson Linking™) (1) RS-232 communications port on RJ-11 (1) IEC-standard AC receptacle</p>
Overall dimensions:	<p>N°436 width: 17.75" (45.1cm) height: 7.65" (19.4cm) depth: 20.21" (51.3cm)</p> <p>N°434 width: 17.75" (45.1cm) height: 5.91" (15.0cm) depth: 20.21" (51.3cm)</p>
Shipping weight:	<p>N°436 95lb (43.7kg) each</p> <p>N°434 65lb (29.9kg) each</p>

Specifications are subject to change without notice.

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