

Nº432 & Nº431

DUAL-MONO POWER AMPLIFIERS



mark
levinson®
MADRIGAL AUDIO LABORATORIES



N°432

N°432 & N°431

DUAL-MONO POWER AMPLIFIERS

Power amplifiers are core components of any high performance entertainment system. Their task is formidable – they must comfortably drive 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°432 and N°431 replace the N°336, N°335 and N°334 dual-mono power amplifiers in the Mark Levinson line. The design of the N°432 and N°431 is derived from the N°436 and N°434 mono power amplifiers. This continuing evolution is driven by our unrelenting desire to produce products that deliver better performance and greater value than their predecessors. The N°432 and N°431 have power ratings of 400 and 200 watts per channel at 8Ω, and 800 and 400 watts per channel at 4Ω,

respectively. Like their 300 series predecessors, these new power amplifiers are convection cooled and utilize individual exposed internal heatsinks for each channel.



N°432 Interior



The physical and sonic properties of the N°432 and N°431 are built upon the Mark Levinson power amplifier tradition. The power supply is the foundation that all of the audio circuitry is built upon. Each channel benefits from a massive, dedicated, independent linear power supply. Our 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 power amplifier's voltage gain and output stage circuitry. Mark Levinson power amplifiers have always featured precision circuitry designed to fully exploit balanced signals. Rather than simply duplicate circuitry for both halves of the balanced input signal as many power amplifiers do, our power amplifiers have featured an advanced topology for greater efficiency, performance and sonic benefits. The N°432 and N°431 continue this practice. Though similar to the Voltage Gain circuit in the 300 series power amplifiers that they replace, this new generation of power amplifiers features a more elegant topology closely related to the N°436 and N°434 mono power amplifiers.

As with all Mark Levinson power amplifiers, particular attention is paid to the layout of

circuitry and precise location and routing of connections. All circuit board layout is performed by our engineers rather than by a computer program. These new power amplifiers outperform their predecessors in part because of the refinement of circuit layout. Additionally, the ultra-high performance parts that make up our balanced circuits are able to work to their full potential because they reside in the most neutral circuit board material we know of: Arlon®. 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°432 and N°431 carry on the Mark Levinson tradition of combining brute force with finesse while avoiding the common mistake of imparting their own fingerprint on the sound. They are welcome additions to the impressive N°436 and N°434 mono power amplifiers and worthy successors to the 300 series. The N°432 and N°431 are capable of providing remarkable performance to provide years of listening enjoyment.



N°432 & N°431 Dual-Mono Power Amplifiers

Rated power output:	N°432 400W/ch rms power @ 8Ω 800W/ch rms power @ 4Ω
	N°431 200W/ch rms power @ 8Ω 400W/ch rms power @ 4Ω
	all above power ratings from 20Hz–20kHz at <0.5% THD (assuming that the AC mains can deliver adequate current, without its own voltage sagging)
Frequency response:	within 0.3dB from 20Hz to 20kHz
Signal-to-noise ratio:	better than –65dB (ref. 2.83V)
Voltage gain:	26.8dB
Input impedance:	100kΩ (balanced) 50kΩ (unbalanced)
Input sensitivity	2.83V output: 130 mV Full output: 2.58V for N°432, 1.82V for N°431
Power consumption:	N°432 650W in <i>on</i> , 130 watts in <i>standby</i> , 10W in <i>sleep</i> N°431 375W in <i>on</i> , 100 watts in <i>standby</i> , 10W in <i>sleep</i>
Mains voltage:	Determined by the needs of the country for which the unit was manufactured; cannot be reset by dealer or user
Connector complement:	(4) custom binding posts (2) 3-pin XLR balanced input connectors (2) RCA input connectors (2) 1/8" mini-jacks for remote turn-on (1) RS-232 port on RJ-11 (2) Mark Levinson communications ports on RJ-11, RJ-45 (1) IEC-standard AC receptacle
Output impedance:	less than 0.02Ω from 20-20,000 Hz
Damping Factor:	greater than 400, 20-20,000 Hz @ 8Ω
Overall dimensions:	N°432 width: 17.75" (45.1cm) height: 7.65" (19.4cm) depth: 19.83" (50.4cm)
	N°431 width: 17.75" (45.1cm) height: 5.91" (15cm) depth: 19.83" (50.4cm)
Shipping weight:	N°432 125lb (57kg) N°431 105lb (48kg)
Net weight:	N°432 115lb (52kg) N°431 95lb (43kg)

Specifications are subject to change without notice.

Mark Levinson® is a registered trademark of Harman International Industries, Incorporated. Not responsible for typographic errors.

Part # 072-16156

mark
levinson®
MADRIGAL AUDIO LABORATORIES

3 Oak Park, Bedford, MA 01730-1413 USA
Tel: 781-280-0300 | Fax: 781-280-0490
www.marklevinson.com

HA Harman International Company