Owner's Manual

№536 Monaural
Amplifier

mark levinson®

FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution!

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

USA and Canada

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
CAN ICES-3 (B) / NMB-3 (B).

mark Levinson®

For customer service and product shipment information, refer to the website: www.marklevinson.com

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where it exits from the apparatus.
11. Only use attachments and accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury or tip over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged; liquid has been spilled or objects have fallen into the apparatus; or the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
15. The MAINS cord is intended to be the safety disconnect device for this apparatus and shall remain readily operable at all times.
16. Ventilation should not be impeded by covering the ventilation openings with items such as newspapers, tablecloths, or curtains.
17. No naked flame sources, such as candles, should be placed on the apparatus.

18. Terminals marked with this symbol may be considered HAZARDOUS LIVE, and the external wiring connected to these terminals requires installation by an INSTRUCTED PERSON or the use of ready-made leads or cords.
19. This product must be terminated with a three-conductor AC mains power cord that includes an earth ground connection. To prevent shock hazard, all three connections must ALWAYS be used.

Warning!

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.

Safety Terms & Symbols

These terms may appear in this manual:

Warning! **Calls attention to a procedure, practice, condition or the like that, if not correctly performed or adhered to, could result in personal injury or death.**

Caution! **Calls attention to a procedure, practice, condition or the like that, if not correctly performed or adhered to, could result in damage or destruction to part or all of the component.**

Note **Calls attention to information that is essential to highlight.**

These symbols may appear on the product:

Appears on the component to indicate the presence of non-insulated, dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.

Appears on the component to indicate important operation and maintenance instructions included in the accompanying documentation.

Appears on the component to indicate compliance with the EMC (Electromagnetic Compatibility) and LVD (Low-Voltage Directive) standards of the European community.

Table of Contents

About this document

This User Guide primarily covers the system functions and advanced options contained in your №536. These resources allow you to finely tailor the behavior and performance of the №536 to fit your system and listening room.

This document contains general safety and operation instructions for the amplifier. It is important to read this document before attempting to use this product. Please pay particular attention to safety instructions.

This manual is not intended as a general reference guide for audio or home theater systems. If you're uncertain how to set up or maintain your system, seek the advice of a professional installer or ask your dealer for a recommendation.

Introduction

Thank you for purchasing the №536 monaural amplifier. 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 featuring outstandingly high current and tremendous open-loop linearity. The result is the Mark Levinson №536 Monaural Amplifier. This fully differential, fully discrete monoblock drives virtually any loudspeaker effortlessly for impeccable imaging, musicality, and openness.

Philosophy

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 Amplifier was developed: an amplifier advised by the traditions and art of classic amplifier design, and infused with modern technology. A fully discrete, differential, 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.

Design Principles

The №536's core design principles are its very high open-loop linearity and extremely high bias current. Because the amplifier 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 with wide bandwidth: nearly immune to the effects of parasitic capacitances, the №536 is able to change voltage with unreserved agility. These design principles create the hallmarks of Mark Levinson amplification: effortlessness, openness, and unadulterated smoothness throughout the entire frequency range, regardless of load or listening level.

Components

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.

Features

- Class AB design rated at 400W into 8 ohms and 800W into 4 ohms
- 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
- Four 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

Box Contents

- Power Amplifier
- Owner's Manual
- Handling Gloves (pair)
- Power Cable

Installation Considerations

The Nº536 requires special care during installation to ensure optimal performance. Pay particular attention to instructions included in this section and to precautions included throughout this owner's manual.

Unpacking

DO save all packing materials for possible future shipping needs.
DO inspect the amplifier for signs of damage during shipment. If damage is discovered, contact your authorized Mark Levinson dealer for assistance in making appropriate claims.
DO locate and remove the accessory bag from the carton. Make sure it contains all of the items listed in the "What's in the Box" table on the previous page. If not, contact your authorized Mark Levinson dealer.

Caution!

DO NOT attempt to lift or move the power amplifier without adequate assistance. The shipping weight of the amplifier exceeds what a single person should lift alone. To avoid injury or damage to the unit, at least two people are required to lift or move the amplifier. Knit white gloves with special gripping surfaces on the palms and fingers are included with the amplifier. Wear these gloves when lifting or moving the amplifier.

Placement and Ventilation

DO install the power amplifier on its own shelf for proper ventilation.

DO install the amplifier chassis on a solid, flat, level surface.

DO install the power amplifier close to associated components to keep interconnecting cables as short as possible.

DO select a dry, well-ventilated location out of direct sunlight.

DO allow at least 3 to 4 inches (8 to 10cm) of clearance above and on each side of the amplifier for proper heat dissipation.

DO allow at least 6 inches (15cm) of clearance behind the amplifier so that the power cord and cables have space to bend without becoming crimped or strained.

DO NOT place the amplifier chassis on a thick rug or carpet or cover the amplifier with a cloth, as this might prevent proper cooling.

DO NOT obstruct the ventilation holes on the top and bottom of the chassis or reduce airflow through the amplifier.

DO NOT place the amplifier chassis near low-level components.
The power amplifier is capable of producing large output currents and hence significant magnetic fields, which can induce noise in sensitive components.

DO NOT expose the power amplifier to high temperatures, humidity, steam, smoke, dampness, or excessive dust. Avoid installing near radiators and other heat-producing appliances.

Warning!

MAKE SURE all components are properly grounded. Do not defeat the safety purpose of polarized or grounding-type plugs with "ground-lifter" or "cheater" adapters. Doing so may cause dangerous voltage to build up between components, which can result in personal injuries and/or product damage.

Power Requirements

The amplifier is configured at the factory for 100, 120, or 230 VAC power operation at 50Hz or 60Hz. Before operating the amplifier, ensure that the power label on the rear panel near the AC input connector indicates the correct operating voltage.

Caution!

DO NOT attempt to adjust the operating voltage. Consult a Mark Levinson dealer if the operating voltage is incorrect or must be changed for relocation purposes.
Different operating voltages may require the use of different power cords and/or attachment plugs. Contact a Mark Levinson dealer for additional assistance.

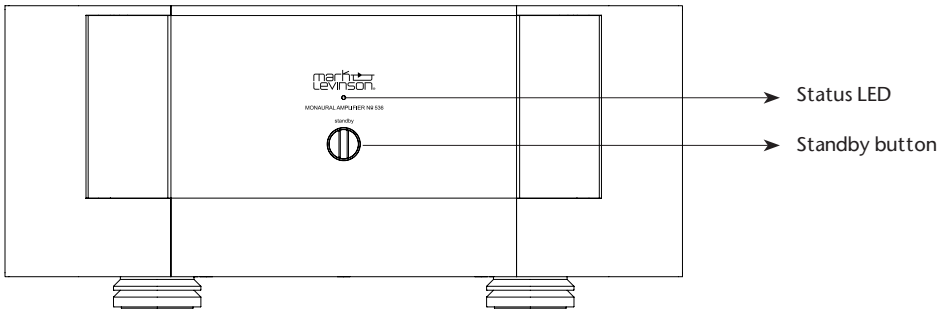
This amplifier is capable of passing remarkable sound at exceptional power levels. Depending on listening habits, loudspeaker demands, and the number of power amplifiers present in the system, it is possible that the electrical service may become the limiting performance factor of your system.

If this case occurs, consider installing a dedicated AC circuit for the system. Contact a licensed electrician for assistance. If more than one AC circuit is providing power to the system, contact a licensed electrician to ensure that all components are operating with the same solid, low-impedance ground reference.

Caution!

Building regulations and electrical codes differ from location to location, making it impossible to anticipate the requirements of amplifier high-current AC circuits. Contact a local, licensed electrician for further information.

Front Panel



Standby Button

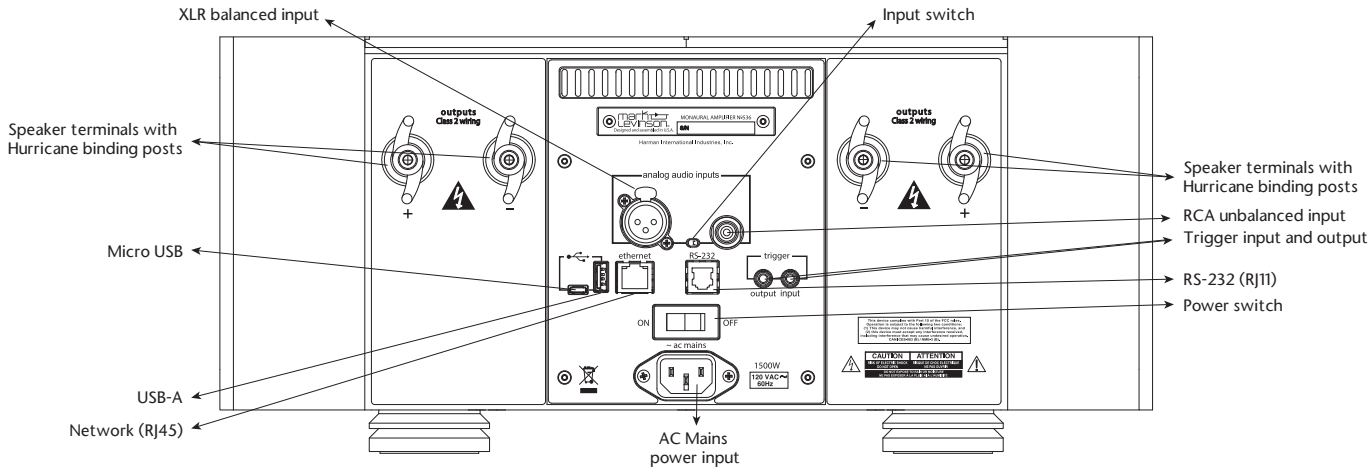
Toggles the amplifier between On and the selected Standby mode when the rear-panel Power Switch is turned on.

Status LED

Indicates the operating state of the amplifier and provides basic diagnostic information if a fault condition occurs. The table below identifies the basic behavior of the Status LED. More information on each status can be accessed on the amplifier's web interface.

LED	Lit Steadily	Flashing
Red	Amplifier powered on, normal operation	Amplifier in Standby
White	Amplifier shut off due to non-recoverable fault condition. Switch power off from the rear panel to exit this state.	Amplifier in Safe Mode due to a recoverable fault condition. Once cleared, amplifier will enter Standby, indicated by red flashing Status LED.
Blue	Starting up from reset	Installing update

Rear Panel



Power Switch

Controls the AC power to the input of the amplifier when a power cord is connected from the electrical outlet to the AC input connector on the rear panel. When the Power switch is toggled to turn on the unit, the amplifier enters Standby mode.

Note

The audio outputs of this power amplifier are considered Class 2 (CL2) circuits in North America. This means the wire connected between this amplifier and the speaker(s) shall be rated at minimum Class 2 (CL2) and shall be installed according to the U.S. National Electrical Code (NEC) Article 725 or Canadian Electrical Code (CEC) Section 16.

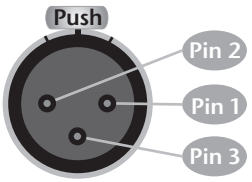
Audio Channel Inputs

One balanced and one single-ended (unbalanced) connector is available for each audio channel input.

Balanced Input

Accepts a signal from a preamplifier with balanced outputs via the XLR connector. A small toggle switch selects either the balanced (XLR) or single-ended (RCA) input connector. Make sure the toggle switch is set to the position closest to the XLR connector.

The pin assignments are consistent with the standards adopted by the Audio Engineering Society. Refer to the operating manual of your preamplifier to ensure that the pin assignments of its balanced output connectors correspond to the N^{o}536. If not, wire the cables so that the appropriate output pin connects to the equivalent input pin.



Balanced (female XLR) Input Connector

Pin Assignments:
Pin 1: Signal Ground
Pin 2: Signal + (non-inverting)
Pin 3: Signal - (inverting)
Connector Shell - Chassis Ground

Unbalanced (Single-Ended) Input

The RCA connector accepts unbalanced or single-ended signal from preamplifiers with RCA outputs. If your preamplifier has both RCA and XLR outputs, use the XLR output. Set the toggle switch to the position closest to the RCA connector.

Loudspeaker Binding Posts

The №536 amplifier utilizes custom-made, gold-plated, high-current loudspeaker binding posts. The positive binding posts, labeled + (positive), are red; the negative binding posts are black and are labeled – (negative).

Two of each binding post are present on the №536, enabling bi-wiring for compatible loudspeakers. If your loudspeakers support bi-wiring, connect both red (positive) terminals to the red terminals on the loudspeaker, and connect both black (negative) terminals to the black terminals on the loudspeaker.

If your loudspeakers do not support bi-wiring or you prefer not to employ this connection configuration, simply connect one of the positive and one of the negative terminals to the respective loudspeaker terminals. There is no additional configuration needed to disable bi-wiring output capability.

Banana plugs can also be used to connect the speaker cables to the loudspeaker binding posts. Banana plugs are not available on the 230 VAC model.

Note

Ensure when connecting the loudspeaker that at least one positive and one negative binding post is used. There is NO ground reference.

Caution!

Be careful to not short the positive and negative outputs together. Do not short the positive or negative outputs to chassis or any other safety ground. The amplifier must be powered off during installation and whenever input and/or output cables are being connected. This is a balanced amplifier and all binding posts are active at all times. Do not attempt to connect any binding posts to ground.

Caution!

DO NOT OVERTIGHTEN the binding posts. The innovative design of these binding posts provides more leverage; hence, high-contact, tight pressure connections are achieved when finger-tightened.

DO NOT FORCE the binding post "wings" over a bent or oversized connector. Doing so may damage the binding post.

Trigger Input and Output

The rear panel of the amplifier has two trigger connectors – one input and one output. The trigger input can receive a 12V DC signal from a connected component. The trigger output passes through the trigger input signal, enabling a daisy chain of amplifiers to be controlled by a single trigger signal.

The triggers enable the power amplifier to be automatically powered on or put into Standby mode by the state of other devices in the system. The trigger output can also affect other power amplifiers in the same manner.

Receiving a trigger signal causes the amplifier to change its power state. If the amplifier is powered on, then 0V on the trigger signal puts the amplifier into Standby mode. Conversely, an amplifier in Standby mode is powered on when 12VDC is received on the trigger input.

AC input

Provides AC power to the amplifier when the supplied power cord is connected from the AC Input connector on the rear panel to an electrical outlet.

Caution!

Before operating the amplifier, verify that the voltage label near the AC input connector indicates an operating voltage compatible with the voltage level of the electrical outlet you intend to use.

Network Connection

The Nº536 connects to your network through an Ethernet cable. When connected, the Nº536's Ethernet connector's status LED flashes.

RS-232 Connector

This connector is provided to enable configuration and control of the amplifier from a personal computer equipped with a serial port. Contact your dealer or installer for information on how to use this feature.

Operation

Operating States

The amplifier is designed for continuous operation and has three operating states:

- **Off** – AC power is disconnected using the rear-panel Power switch or by removing the power cord from the rear panel.
- **Standby** – This is an energy-saving mode with three options.
  - **Green (Factory Default):** This is the lowest-power standby mode for maximum energy savings. You will experience a longer power-up process from standby. Ethernet and RS-232 are disabled in this mode.
  - **Power Save:** Moderate energy-saving standby mode, which enables wake-up via RS-232 or Ethernet.
  - **Normal:** This mode mutes audio outputs, but keeps all of its control and audio circuits powered. This mode provides the least amount of power conservation but allows the Nº536's audio circuits to remain warmed up to deliver optimal performance at all times.
- **On** – The amplifier is fully powered and all outputs are active.

Caution!

BEFORE moving the power amplifier, make sure it is powered off with the Power switch. Then, make sure the power cord is disconnected from the rear panel connector and the electrical outlet.

To select different standby modes:

1. Issue these RS-232 commands:
   !1062 - Set Normal Standby
   !1063 - Set Green Standby
   !1064 - Set PWRSave Standby
   (see separate RS-232 document for additional details)
2. Issue commands via Ethernet from the N°536 internal webpage.
3. Load a N°536 setup file on the root of a USB flash drive connected to the unit's USB-A port. To load the file, power down the unit using the rear-panel power switch, insert the drive, and turn power on.

Internal Web Page

When the N°536 and a computer are both connected to the same network, the N°536 has an internal Web page that provides access to status information and control.

Contact your dealer or installer, or see the Downloads section of the N°536 webpage at marklevinson.com for instructions on how to control your N°536 from a web browser on your network.

Firmware Update

The N°536's firmware can be updated using a USB drive connected to the rear-panel USB-A port. With the amplifier powered off using the rear-panel Power Switch, connect the USB drive, which has the firmware update loaded to the root of the drive. Turn the Power Switch on. The Status LED will flash quickly, then slowly, then come to rest in Standby Mode. When the unit reaches Standby, turn the Power Switch off and remove the USB drive.

Note

The latest procedures can be found in the ReadMe file in the software Downloads section of the N°536 webpage at marklevinson.com.

Faults & Troubleshooting

The N°536 is designed to prevent damage to itself and associated components. These extensive features protect both the critical circuitry of the amplifier itself and shield connected loudspeakers from serious damage due to high power levels.

Basic protections designed into the N°536 include fuses to protect against excessive current conditions, such as driving shorted outputs. Inrush limiting prevents premature aging of the power supply components during power-up; once the power supply has been charged, this feature goes offline until the amplifier is powered up again.

The N°536 actively monitors operating temperature, output current demands and the presence of DC on the outputs. The amplifier will shut down under any of these conditions and report the fault via the front panel LED.

FAULT CONDITIONS

Recoverable Faults

Recoverable faults are not caused by, nor are damaging to the amplifier. These errors either clear themselves (such as over temperature) or can be remedied easily by the owner (speaker terminals are shorted together) without dealer or factory intervention. These errors are:

- Amplifier temperature is above safe operating limits
- Incorrect AC mains configuration
- DC detected at input
- Short or very low impedance across output terminals

If you do not know how to remedy a recoverable fault condition, please contact your retailer or installer for assistance.

Non-Recoverable Faults

Non-recoverable faults may cause damage to the amplifier. These errors indicate that the amplifier likely needs service, and that the owner is advised to call their dealer or installer for assistance. Examples of these types of errors are:

- Left or right phase thermal switch over temperature
- Transformer over temperature
- DC detected at output (not caused by DC at the input)
- Blown fuses
- Output terminal(s) shorted to ground
- Amplifier output transistors damaged

Troubleshooting

Incorrect operation is sometimes mistaken for malfunction. If problems occur, use this section for troubleshooting information. If problems persist, contact your authorized Mark Levinson dealer.

NO POWER

- Examine the power cord to ensure that it is connected to both the AC mains connector and a working, unswitched electrical outlet.
- Make sure the №536 is powered on with the rear-panel Power switch. Examine the electrical circuit breaker to ensure that power is being supplied to the electrical outlet to which the №536 is connected.
- Make sure the №536 is not in standby. The front-panel standby LED illuminates fully and continually when the №536 is On. The LED flashes slowly when the №536 is in Standby mode.

NO SIGNAL AT THE SPEAKER OUTPUTS

- Examine all audio cables to ensure a solid connection between the №536 and all associated components. Examine the speaker cables to ensure a solid connection between the №536 and the speakers. Make sure that the connected speakers are operational. Make sure the volume is set to an audible level.
- Make sure all associated components are connected to working electrical outlets and powered on. Make sure the source device connected to the selected №536 input is producing an output signal.

Care & Maintenance

The №536 requires routine care and maintenance to ensure optimal performance. The bulleted items indicate maintenance procedures that should be performed on a regular basis. **Turn off the №536 and unplug the rear AC power cord before performing maintenance to the amplifier**.

Note

Failure to perform the maintenance procedures included in this section may void the manufacturer's warranty and/or standard repair policies.

- To remove dust from the amplifier's exterior surface, use a feather duster or a low-pressure blower.

- To remove dirt and fingerprints from the amplifier's exterior surface, use a soft, lint-free cloth. DO NOT use metal polish or a cloth made with steel wool.
- If needed, this cloth can be dampened with isopropyl alcohol. DO NOT dampen the cloth with Benzene, acetone-based cleaners, or other commercial cleaners.
- Wipe the amplifier's exterior surface in the same direction as the grain of the brushed aluminum.

Caution! **DO NOT apply liquid directly to the amplifier's exterior surface. Doing so may damage electrical components.**

Specifications

All specifications are subject to change without notice.

Input & Output Connectors
- One balanced XLR input
- One unbalanced RCA input
- Two pairs of "Hurricane" loudspeaker outputs with banana-plug sockets per channel (banana-plug socket not available on the 230 VAC models)

Control Connectors
- One Ethernet 10/100 connector
- One 3.5mm mono (tip/sleeve) mini plug trigger input, 12Vdc
- One 3.5mm mono (tip/sleeve) mini plug trigger output, 12Vdc
- 3-pin IEC standard power connector

Rated Output Power 400Wrms at 8 ohms, 20Hz to 20kHz, at <0.3% THD

Frequency Response 10Hz to 20kHz +/-0.2dB

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

Input Impedance 60kΩ (balanced); 30kΩ (unbalanced)

Voltage Gain 26dB

Input Sensitivity 2.83Vrms output at 142mVrms input

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

Dimensions Height (with feet): 7.65" (19.4cm)
Height (without feet): 6.97" (17.7cm)
Width: 17.75" (45.1cm)
Depth: 19.83" (50.4cm)

Weight Net weight: 100lbs (45.4kg)
Shipping weight: 117lbs (53kg)

Declaration of Conformity

We,

Harman International Industries, Incorporated
8500 Balboa Blvd.
Northridge, CA 91329
USA

As the manufacturer and through our representative within the EU

Harman International Industries, Incorporated
EMEA Liaison Office, Herikerbergweg 35
1101 CN Amsterdam, The Netherlands

To declare that the product listed below

Type of Equipment: Power Amplifier
Models: Mark Levinson Nº536

is in conformity with the relevant Union harmonization legislation: EMC Directive 2004/108/EC, LVD Directive 2006/95/EC, ErP Directive 2012/27/EU and RoHS Directive 2011/65/EU, if used for its intended use and that the following harmonised standards have been applied:

1. **Safety (LVD Directive 2006/95/EC)**
   Applied standard(s): EN 60065:2002+A1:2006+A11:2008+A2:2010+A12:2011

2. **Electromagnetic compatibility (EMC Directive 2004/108/EC)**
   Applied standard(s): EN 55013:2001+A1:2003+A2:2006, EN 55020:2007+A11:2011, EN 61000-3-2:2006+A1:2008+A2:2009, EN 61000-3-3:2008

3. **Eco Design of Energy Related Products (ErP Directive 2012/27/EU)**
   Applied standard(s): (EC) No 1275/2008, (EU) No 801/2013

4. **RoHS Recast Directive (RoHS Directive 2011/65/EU)**
   Applied standard(s): EN50581:2012

WEEE Notice

The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life.

The purpose of this Directive is, as a first priority, the prevention of WEEE, and in addition, to promote the reuse, recycling and other forms of recovery of such wastes so as to reduce disposal.

The WEEE logo on the product or on its box indicating collection for electrical and electronic equipment consists of the crossed-out wheeled bin, as shown below.

This product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserving natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.

RoHS Compliance

This product is in compliance with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Harman International hereby declares that this equipment is in compliance with the EMC 2004/108/EC Directive, LVD 2006/95/EC Directive, ErP 2012/27/EU/EC Directive and RoHS 2011/65/EU Directive. The declaration of conformity may be consulted in the support section of our website, marklevinson.com.