



# M23 V2


Stereo Power Amplifier

ENGLISH



Owner's Manual

# IMPORTANT SAFETY INSTRUCTIONS

- **Read instructions** - All the safety and operating instructions should be read before the product is operated.
- **Retain instructions** - The safety and operating instructions should be retained for future reference.
- **Heed Warnings** - All warnings on the product and in the operating instructions should be adhered to.
- **Follow Instructions** - All operating and use instructions should be followed.
- **Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- **Water and Moisture** - Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- **Accessories** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
-  **Cart** - A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
- **Ventilation** - Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- **Power Sources** - This product should be operated only from the type of power source indicated on the marking label and connected to a MAINS socket outlet with a protective earthing connection. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
- **Power Cord Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- **Mains Plug** - Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- **Outdoor Antenna Grounding** - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- **Lightning** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- **Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- **Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- **Flame Sources** - No naked flame sources, such as lighted candles, should be placed on the product.
- **Object and Liquid Entry** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- **Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - When the power-supply cord or plug is damaged.
  - If liquid has been spilled, or objects have fallen into the product.
  - If the product has been exposed to rain or water.

- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance-this indicates a need for service.
- **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- **Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- **Wall or Ceiling Mounting** - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

## WARNING

THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.



## CAUTION REGARDING PLACEMENT

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) than is equal to, or greater than shown below.

Left and Right Panels: 10 cm



**WARNING : SHOCK HAZARD - DO NOT OPEN**  
**ATTENTION : RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR**

Rear Panel: 10 cm

Top Panel: 10 cm

## RESPONSIBLE PARTY

Lenbrook International  
633 Granite Court  
Pickering, ON L1W 3K1  
Canada  
Tel: 1 905 8316555

## CAN ICES-3 (B)/NMB-3(B)

This Class B digital apparatus complies with Canadian ICES-3

## EU CONFORMITY STATEMENT



This product and, if applicable, the supplied accessories are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Radio Equipment Directive 2014/53/EU.

## FCC STATEMENT

This equipment has been tested and found to comply with the limits for 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 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 to this equipment not expressly approved by NAD Electronics for compliance could void the user's authority to operate this equipment.
- This device complies with Part 15 of the FCC Rules / Industry Canada licence-exempt RSS standard(s). 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.
- This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.
- Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.
- To prevent electric shock, match wide blade of plug to wide slot, fully insert.
- Marking and rating plate can be found at the rear panel or bottom panel of the apparatus.
- 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 and that no objects filled with liquids, such as vases, shall be placed on apparatus.
- Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
- An appliance with a protective earth terminal should be connected to a mains outlet with a protective earth connection.
- Operating temperature: 0 – 40 °C

## MPE REMINDER

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To satisfy FCC/IC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.

## IF IN DOUBT CONSULT A COMPETENT ELECTRICIAN.

## NOTES ON ENVIRONMENTAL PROTECTION



At the end of its useful life, this product must not be disposed of with regular household waste but must be returned to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's manual and packaging point this out.

The materials can be reused in accordance with their markings. Through re-use, recycling of raw materials, or other forms of recycling of old products, you are making an important contribution to the protection of our environment.

Your local administrative office can advise you of the responsible waste disposal point.

## INFORMATION ABOUT COLLECTION AND DISPOSAL OF WASTE BATTERIES (DIRECTIVE 2006/66/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL OF EUROPEAN UNION) (FOR EUROPEAN CUSTOMERS ONLY)



Batteries bearing any of these symbols indicate that they should be treated as "separate collection" and not as municipal waste. It is encouraged that necessary measures are implemented to maximize the separate collection of waste batteries and to minimize the disposal of batteries as mixed municipal waste.



End-users are exhorted not to dispose waste batteries as unsorted municipal waste. In order to achieve a high level of recycling waste batteries, discard waste batteries separately and properly through an accessible collection point in your vicinity. For more information about collection and recycling of waste batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

By ensuring compliance and conformance to proper disposal of waste batteries, potential hazardous effects on human health is prevented and the negative impact of batteries and waste batteries on the environment is minimized, thus contributing to the protection, preservation and quality improvement of the environment.

<p>For indoor use only in the following countries:</p>	BE	SK	PT	NL	LU
	DE	BG	FI	RO	AT
	ES	EE	CZ	SE	SI
	CY	FR	IE	DK	UK
	LV	HR	EL	PL	MT
	LT	IT	HU		

# INTRODUCTION

## GETTING STARTED

### WHAT'S IN THE BOX


Packed with your M23 V2 you will find

- A detachable mains power cord
- Four pieces of magnetic feet
- Cleaning cloth
- Important Safety Instruction sheet
- Quick Setup Guide

### QUICK SETUP GUIDE

In case you simply cannot wait to experience the performance of your new M23 V2, the following QUICK SETUP GUIDE is recommended to help you get started.

Ensure that the M23 V2 is unplugged before making any connections. It is also advisable to power-down or unplug all associated components while making or breaking any signal or AC power connections. Set the external source's volume control to minimum level. External source can be a preamplifier, processor, amplifier or any applicable device.

- 1 Set SELECT switch to BALANCED or SINGLE-ENDED (SE). It is important that the selection for AUDIO INPUT must be the same for both L (left) and R (right) channels.
- 2 Connect the analog audio output of your external source to the M23 V2 rear panel's BALANCED or SINGLE-ENDED (SE) audio input.
- 3 Connect your speakers to the LEFT and RIGHT SPEAKERS terminals of M23 V2.
- 4 Ensure that the supplied power cord's female connector end is firmly secured to M23 V2's AC Mains input socket and the male plug connected to the mains power source.
- 5 Power up the external source ahead of the M23 V2.
- 6 Set to ON the rear panel POWER switch of M23 V2. The M23 V2 goes to standby mode as shown by the amber status condition of the Power indicator.
- 7 Press  (Standby) button for the M23 V2 to be powered up from standby mode. The Power indicator will turn from amber to white color. The M23 V2 is ready for operation.
- 8 Adjust the external source's volume control according to desired listening level.

### SAVE THE PACKAGING

Please save the box and all of the packaging in which your M23 V2 arrived. Should you move or otherwise need to transport your M23 V2, this is by far the safest container in which to do so. We've seen too many otherwise perfect components damaged in transit for lack of a proper shipping carton, so please: Save that box!

### NOTES ON INSTALLATION

- Your unit should be placed on a firm, level surface.
- Avoid placing the unit inside a closed cabinet that is not well ventilated as this may compromise the M23 V2's performance and reliability.
- Avoid placing the unit in direct sunlight or near sources of heat and damp.
- Allow adequate ventilation.
- Do not place the unit on a soft surface like a carpet.
- For best performance, use quality speaker leads of 16-gauge (1.5mm<sup>2</sup>) thickness or more.
- If the unit is not going to be used for some time, disconnect the plug from the mains power source.
- Use a dry cloth for cleaning.

**DO NOT REMOVE THE COVER; THERE ARE NO USER-SERVICEABLE PARTS INSIDE.**

### BARE WIRES AND PIN CONNECTORS

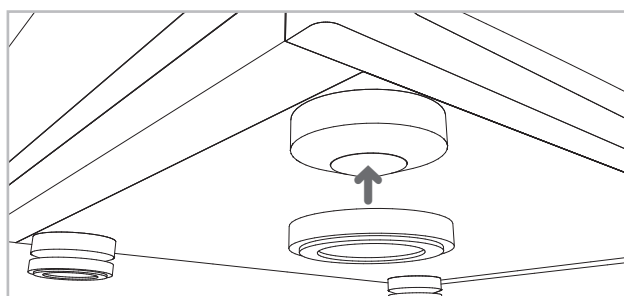


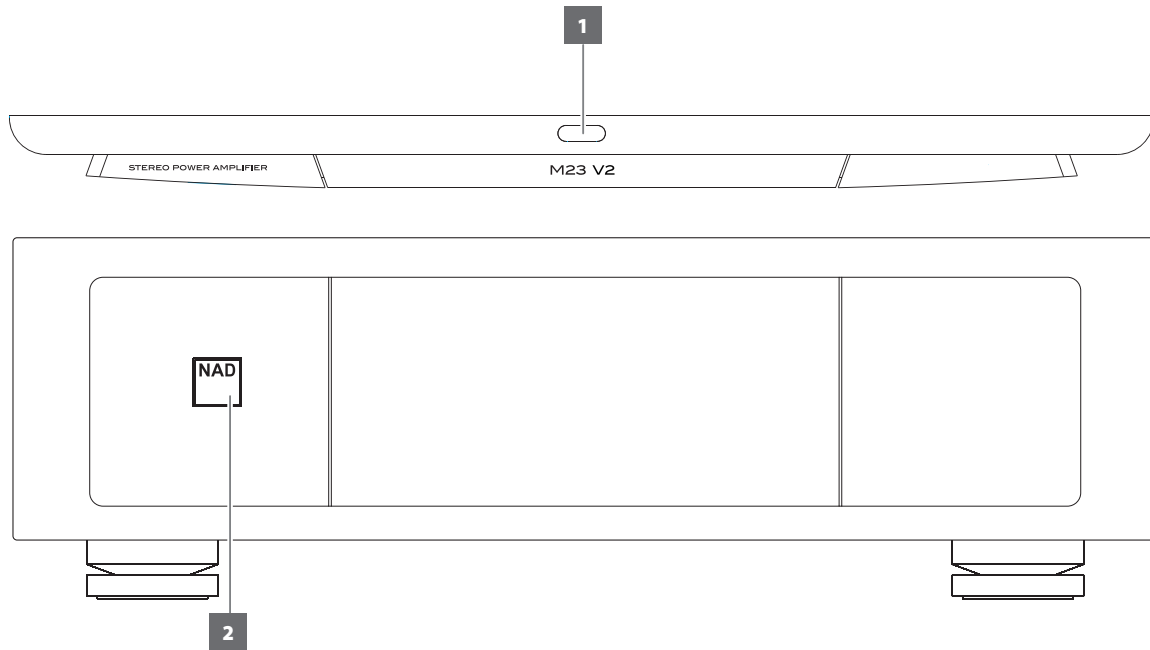
**WARNING:** The terminals marked with this symbol are hazardous live. External wiring connected to these terminals requires installation by an instructed person or the use of ready-made leads or cords.

Bare wires and pin sockets should be inserted into the hole in the shaft of the terminal. Unscrew the speaker terminal's bushing until the hole in the screw shaft is revealed. Insert the pin or bare cable end into the hole and secure the cable by tightening down the terminal's bushing. Ensure bare wire from the speaker cables does not touch the back panel or another socket. Ensure that there is only 1/2" (1cm) of bare cable or pin and no loose strands of speakers wire.




### FEET INSTALLATION

The supplied magnetic feet can be easily installed by aligning and attaching them to their corresponding foot shoe. Refer to the illustration below.






### 1 (STANDBY)

- Press  (Standby) button for the M23 V2 to be powered up from standby mode. The Power indicator will turn from amber to white color.
- Press and hold  (Standby) button until M23 V2 switches back to standby mode. The Power indicator will turn to amber color at standby mode.
- The  (Standby) button cannot activate the M23 V2 with the rear panel POWER switched off.

### IMPORTANT NOTE

*For the  (Standby) button to activate, two conditions must be completed.*

- *Plug-in the supplied mains power cord to a mains power source. Connect corresponding end of the mains power cord to the AC mains input of M23 V2 and the plug connected to a mains power source.*
- *The rear panel POWER switch must be set to ON position.*

### 2 POWER INDICATOR (NAD LOGO)

- The NAD logo in the front panel also serves as a Power indicator.
- Power indicator colors
  - White: Normal operating mode
  - Amber: Standby mode
  - Red: Protect mode

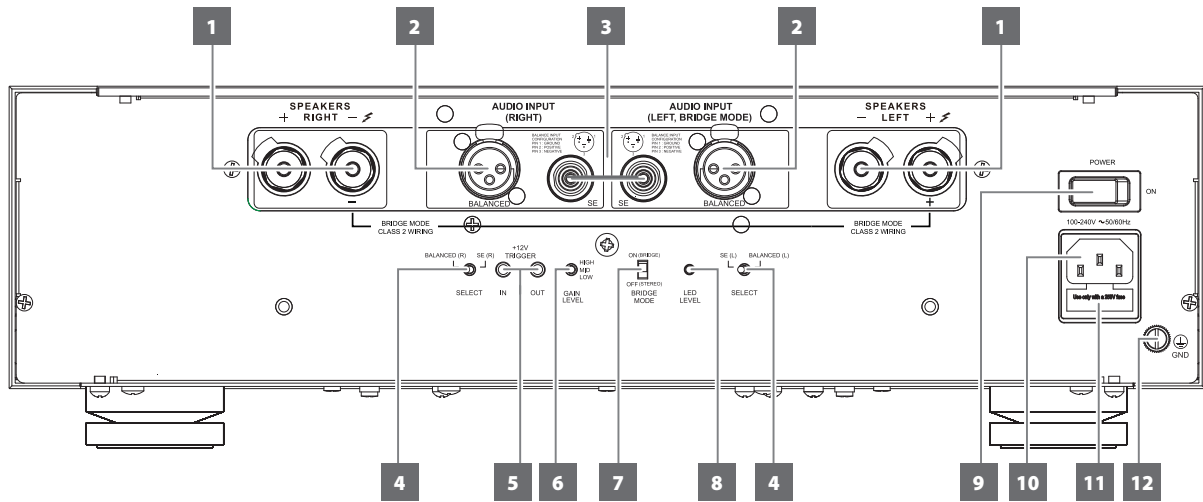
### PROTECT MODE

If the POWER INDICATOR turns red, this indicates that the protection circuitry of the M23 V2 had been engaged. Immediately press the Standby button, turn off Power switch and then unplug the power cord from the mains power source. Undertake the following

- Check if all speaker wires are connected correctly and that none of the wires are damaged, causing a short circuit.
- Another cause may be excessive heat build-up inside the amplifier. Make sure there is adequate ventilation around the amplifier and that none of its ventilation slots, top or bottom are blocked. After the amplifier has cooled down, it will function normally again.
- Do not attempt to use M23 V2 if the Power indicator remained illuminated in red despite the checks mentioned above. Bring the M23 V2 to an authorized NAD service center for proper inspection, testing and consequent repair if necessary.

# IDENTIFICATION OF CONTROLS

## REAR PANEL



### ATTENTION!

Ensure that the M23 V2 is unplugged before making any connections. It is also advisable to power-down or unplug all associated components while making or breaking any signal or AC power connections.

#### 1 SPEAKERS RIGHT, SPEAKERS LEFT

- M23 V2 is equipped with gold-plated, color-coded, transparent and special high-current binding-post speaker terminals.
- Connect SPEAKERS RIGHT and SPEAKERS LEFT terminals to corresponding speakers. Make sure the "+" (red) terminal and "-" (black) terminal are connected to the corresponding "+" and "-" terminals of the speaker. Use extra care to ensure that no stray wires or strands cross between posts or terminals at either end.
- M23 V2 is designed to produce optimum sound quality when connected to speakers with impedances within its operating range. Make sure that all the speakers are rated 4 ohms minimum per speaker.

- Before powering up M23 V2 from standby mode for the first time, make sure that the volume control of the external source is set to minimum level position. This prevents inadvertently beginning a session at excessive volume.

#### 3 SINGLE-ENDED (SE) AUDIO INPUT

- Use SINGLE-ENDED (SE) audio input for sources (streamers, preamplifiers or processors) that are not equipped with BALANCED analog audio output.
- If SINGLE-ENDED (SE) is the selected audio input, ensure that the SELECT switches for both L (Left) and R (Right) channels of AUDIO INPUT are set or switched to the direction of SINGLE-ENDED (SE).

### NOTE

Use stranded wire of at least 16 gauge (AWG). Connections to M23 V2 can be made with banana plugs or by using bare wire or pins. Use the transverse hole through the post for bare wire or pin connections. By loosening the terminal's nut, make a clean, neat connection and re-tighten carefully. To minimize the danger of short circuit, ensure that only 1/2-inch of exposed wire or pin is employed when connecting.

#### 2 BALANCED AUDIO INPUT - RIGHT, LEFT

- Use BALANCED audio input for external sources that are equipped with BALANCED audio output. Superior audio quality is ensured with the distinctive noise reduction capability of BALANCED connection with XLR connectors.
- If BALANCED is the selected audio input, ensure that the SELECT switches for both L (Left) and R (Right) channels of AUDIO INPUT are set or switched to the direction of BALANCED.

#### 4 SELECT

- Use this switch to select the type of audio input.
- If SINGLE-ENDED (SE) is the selected audio input, ensure that the SELECT switches for both L (Left) and R (Right) channels of AUDIO INPUT are set or switched to the direction of SINGLE-ENDED (SE).
- If BALANCED is the selected audio input, ensure that the SELECT switches for both L (Left) and R (Right) channels of AUDIO INPUT are set or switched to the direction of BALANCED.

#### 5 +12V TRIGGER IN

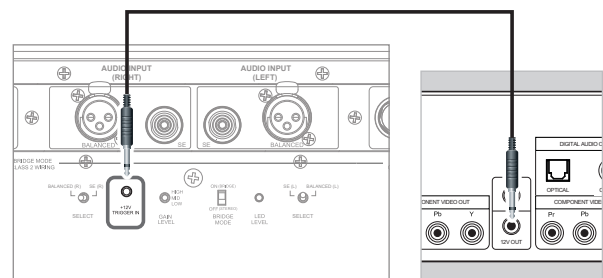
- The +12V Trigger input allows the M23 V2 to be switched remotely from standby to operating mode and vice-versa by an ancillary equipment such as a preamplifier, AV processor, etc. The controlling device must be equipped with a 12V trigger output to use this feature.

#### PIN CONFIGURATION OF BALANCED XLR JACK

- Pin 1: Ground
- Pin 2: Positive (signal live)
- Pin 3: Negative (signal return)

### IMPORTANT NOTES

- Always power down M23 V2 and other components in the system before connecting or disconnecting anything to the BALANCED audio input connectors.



### WARNING

*The front panel **⏻** (Standby) button is disabled as long as the male plug of the mono cable (with or without +12V DC) is connected to M23 V2's +12V TRIGGER IN. Unplug the mono cable for the M23 V2 to be powered up from standby mode to operating mode and vice-versa using the front panel **⏻** (Standby) button.*

### +12V TRIGGER OUT

- The +12V TRIGGER OUT on the M23 V2 reflects the state of the +12V TRIGGER IN or manual activation. However, instead of directly passing the input voltage through, the system introduces a controlled delay of approximately 1 second.

This delay occurs between the initial activation of the M23 V2 — whether via +12V TRIGGER IN or manual switching—and the subsequent enabling of the +12V TRIGGER OUT. This behavior ensures synchronized power sequencing and prevents instantaneous voltage pass-through.

By staggering the activation of the output, the system mitigates the risk of high inrush current, particularly in scenarios where multiple M23 V2 units (e.g., 2 to 4) are daisy-chained and powered on simultaneously.

### 6 GAIN LEVEL (LOW/MID/HIGH)

- Gain level adjustment allows the source to be played back at the same volume level so you don't need to adjust the volume every time you change to a new source.
- The Gain Level of the M23 V2 can be set to any of the following - LOW (19dB), MEDIUM (24dB) and HIGH (29dB).

### 7 BRIDGE MODE

M23 V2 can be configured to be MONO (ON/BRIDGE), more than doubling its output power. This way, M23 V2 can be used as part of a high power stereo or home-theatre system, by connecting additional power amplifiers.

- In BRIDGED MODE (switch at ON/BRIDGE setting), M23 V2 will produce approximately 700W into an 8 ohm loudspeaker. In this mode, the amplifier sections will react as though the speaker impedance has been halved. Low impedance speakers (under 8 ohms) are not recommended when using Bridge Mode as these may cause the amplifier's thermal cut-out to operate if played at high levels.
- Set the BRIDGE MODE switch to ON/BRIDGE position and connect the speaker to the terminals marked "L +" and "R-" ensuring that the "L+" is connected to the "+" terminal of your speaker and the "R-" is connected to the speaker's "-" terminal.
- Connect the source to Left Audio Input ports only. Do not connect anything to Right Audio Input ports when Bridge Mode is selected.
- Set BRIDGE MODE switch to OFF/STEREO for normal operation.

### 8 LED LEVEL (DIMMER)

- Press repeatedly to adjust the brightness level of the Power indicator.

### 9 POWER

- The AC mains power to M23 V2 is regulated by the POWER switch. When the POWER switch is set to ON position, M23 V2 goes to standby mode as shown by the amber status condition of the Power indicator. Press **⏻** (Standby) button to power up M23 V2 from standby mode.
- If you intend not to use the M23 V2 for long periods of time (such as when on vacation), switch off the POWER switch.
- The **⏻** (Standby) button cannot activate M23 V2 with the rear panel POWER switched off.

### 10 AC MAINS INPUT

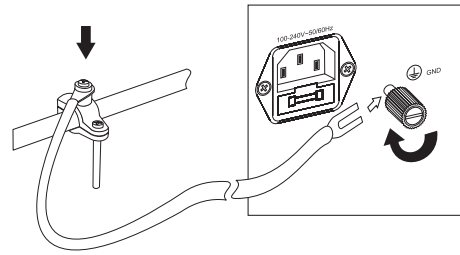
- The M23 V2 comes supplied with two separate mains power cords. Select the mains power cord appropriate for your region.
- Before connecting the power cord's plug to the mains power outlet, ensure that the other end of the power cord is firmly connected to M23 V2's AC Mains input socket.
- Always unplug the power cord from the mains power outlet before disconnecting the other end of the power cord from M23 V2's AC Mains input socket.

### 11 FUSE HOLDER

- Only qualified NAD service technicians can have access to this fuse holder. Opening this fuse holder may cause damage thus voiding the warranty of your M23 V2.

### 12 GROUND TERMINAL

- Ensure M23 V2 is plugged-in to a grounded AC wall outlet.
- If a separate earth ground is necessary, use this terminal to ground your M23 V2.
- M23 V2 can be connected to ground by connecting a ground lead wire or similar to this terminal. After insertion, tighten the terminal to secure the lead.




## OPERATION



### AUTO STANDBY

The M23 V2 can be configured to enter standby mode automatically after 15 minutes of no active audio input. Auto standby mode can be enabled or disabled by the following steps.

#### Enable Auto Standby mode

- At operating mode, press and hold  (Standby) button for greater than 15 seconds and release. The Power indicator (NAD logo) flashes three times.
- With Auto Standby enabled and unit at operating mode, the M23 V2 will enter standby mode automatically after 15 minutes of no active audio input.


#### Disable Auto Standby mode

- At operating mode, press and hold  (Standby) button for greater than 15 seconds and release. The Power indicator (NAD logo) flashes two times.
- With Auto Standby disabled and unit at operating mode, the M23 V2 remains active and will not enter standby mode after 15 minutes or more of no audio input. Press  (Standby) to switch M23 V2 from operating mode to standby mode.


### AUTO SENSE

Auto Sense feature instantaneously turns the M23 V2 to operating mode from standby mode if it senses input signal (minimum 20mV RMS input) applied to either the BALANCED or SINGLE-ENDED (SE) sockets.

#### Enable Auto Sense mode

- At operating mode, press and hold  Standby button for 10 to 15 seconds and release. The Power indicator (NAD logo) flashes three times.
- With Auto Sense enabled, the M23 V2 will wake up from standby mode if it senses input signal applied to either the BALANCED or SINGLE-ENDED (SE) sockets.

#### Disable Auto Sense mode

- At operating mode, press and hold  Standby button for 10 to 15 seconds and release. The Power indicator (NAD logo) flashes two times.
- With Auto Sense disabled, the M23 V2 will not wake up from standby mode even if it senses input signal applied to either the BALANCED or SINGLE-ENDED (SE) sockets.

Both Auto Standby and Auto Sense are defaulted to disabled mode.



## AUDIO SPECIFICATIONS

Rated output power (Stereo mode, 20 Hz-20 kHz at 0.005% THD, both channels driven)	>200 W into 8 ohms >400 W into 4 ohms
Rated output power into 8 ohms (Bridge mode, 20 Hz – 20 kHz at 0.005% THD)	>700 W into 8 ohms (20 Hz – 20 kHz at 0.005% THD)
THD+N (8 ohms and 4 ohms)	<0.003 % (1W to 200W, 20 Hz - 20 kHz) <0.0003 % (10W to 100W, 1 kHz)
Signal-to-Noise Ratio	>99 dB (A-weighted, 1 W in 8 ohms) - High Gain >103 dB (A-weighted, 1 W in 8 ohms) - Mid Gain >105 dB (A-weighted, 1 W in 8 ohms) - Low Gain
Clipping power (Stereo mode, 1 kHz 8 ohms 0.1 % THD)	>210 W
Clipping power (Bridge mode, 1 kHz 8 ohms 0.1 % THD)	>700 W
IHF dynamic power (Stereo mode, 1 kHz 1 % THD)	8 ohms: 260 W 4 ohms: 520 W
Damping factor	>800 (8 ohms)
Frequency response	20 Hz - 20 kHz ( $\pm 0.3$ dB)
Input sensitivity (200W in 8 ohms)	1.48 V High Gain level 2.96 V Mid Gain level 5.97 V Low Gain level
Gain level	Low: 19 dB Medium: 24 dB High: 29 dB
Minimum input level for Auto Trigger	3 mV at 1 kHz
Standby power	<0.5 W

## DIMENSION AND WEIGHT

Gross dimensions (W x H x D)*	580 x 280 x 530 mm 22 7/8 x 11 1/16 x 20 7/8 inches
Shipping weight	17.5 kg (38.6 lbs)

\* - Gross dimension includes feet and extended rear panel terminals

Specifications are subject to change without notice. Check out [www.NADelectronics.com](http://www.NADelectronics.com) for updated documentation or latest information about M23 V2.



**[www.NADelectronics.com](http://www.NADelectronics.com)**

**©2026 NAD ELECTRONICS INTERNATIONAL  
A DIVISION OF LENBROOK INDUSTRIES LIMITED**

All rights reserved. NAD and the NAD logo are trademarks of NAD Electronics International, a division of Lenbrook Industries Limited.  
No part of this publication may be reproduced, stored or transmitted in any form without the written permission of NAD Electronics International.  
While every effort has been made to ensure the contents are accurate at the time of publication, features and specifications may be subject to change without prior notice.

M23V2 ENG OM 05 - JAN 2026