

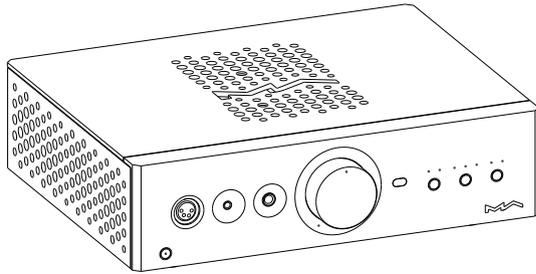


NA-1

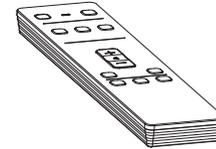
Headphone Amplifier

USER MANUAL

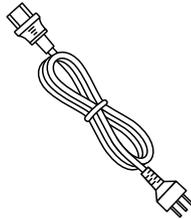
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Product



Remote control (RM4E)

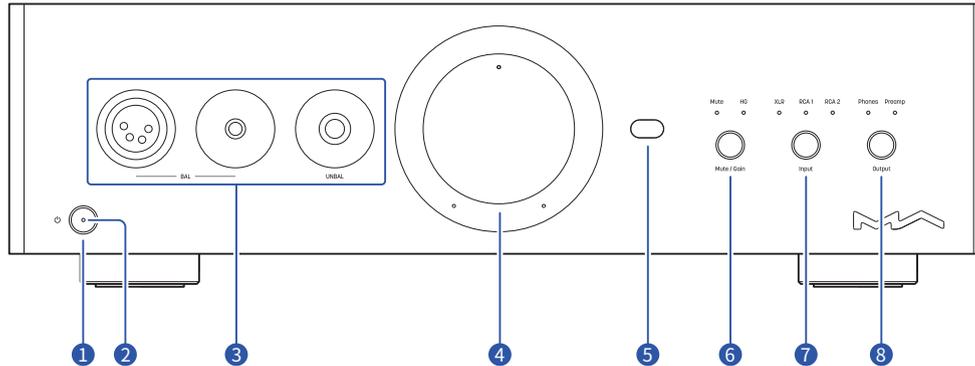


Power cable



Printed materials

Front



1 Power on/Standby

After connecting to power supply, press this button to power on the device. Press and hold it for 2 seconds to switch to standby mode. When the device is powered on, single press the button to dim the LED indicators. Press it again to exit dimmer mode and restore the brightness of the LEDs.

2 Status LED

The LED indicator will go off when the device is standby. It flashes when the device is delayed starting, and will keep lit up after the device is started.

3 Headphone output

From left to right: XLR4 balanced output, 4.4mm balanced output and 6.35mm single-ended output. All three headphone outputs can work at the same time.

4 Volume knob & LED indicator

Turn the knob to adjust volume for both headphone outputs and pre-out. When volume is being adjusted via an IR remote, the knob will rotate automatically and the LED indicator will flash.

5 IR Receiver

Keep the receiver is not obstructed when using the IR remote control.

6 Mute/Gain button

Press this button once to mute or unmute the device. The "Mute" LED will flash when muted, and turn off when unmuted. Press and hold this button to enable High Gain mode – the "HG" LED will light up. Press and hold it again to disable High Gain mode, and the "HG" LED will turn off. The gain for the pre-out and headphone output can be set independently.

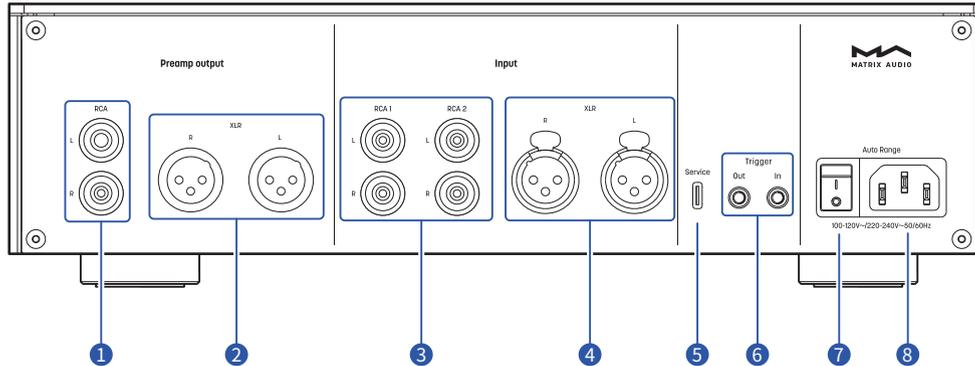
7 Input button

Press this button to cycle through XLR, RCA1 and RCA2 inputs. The LED corresponding to the selected input channel will light up.

8 Output button

Press this button to cycle through headphone output and pre-out. The LED corresponding to the selected output channel will light up. Press and hold this button to enable simultaneous output from the headphone and pre-out ports. Press and hold it again to return to the previously selected output mode. When the "Phones" LED lights up red, it indicates that the amplifier is in protection mode. All headphone output ports will be turned off to prevent damage to the headphones.

Rear



1 RCA pre-out

2 XLR pre-out

3 RCA input

4 XLR input

5 USB Type-C

For firmware update.

6 Trigger input/output

Connect to audio devices with trigger ports through a $\varnothing 3.5$ mm mono plug cables, to achieve a linkage control between NA-1 and other devices. The trigger output provides a 12V DC signal.

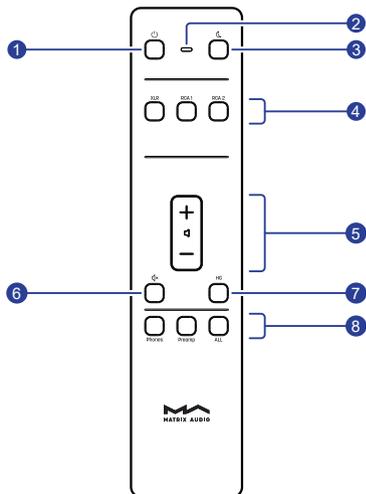
7 Power switch

If you need the device to be turned off completely, please turn off this switch. Otherwise, there is still about 1W power consumption in standby mode.

8 Power input

Please use a power cable which includes an earth wire and ensure you have a reliable earth wire connection. Otherwise, the casing of the device may have a slightly charged touch.

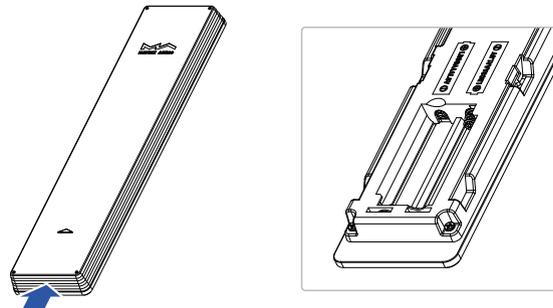
Remote Control



- 1 Power on/Standby
- 2 Working/Battery status
- 3 Dimmer
- 4 Input channels
- 5 Volume
- 6 Mute/Unmute Press to mute, press again to unmute. You also can unmute by pressing the volume +/- buttons in mute state.
- 7 High gain Press this button to active or disactive high gain.
- 8 Output channels Press "ALL" button to enable simultaneous output from the headphone and pre-out ports.

Battery replacement

Slide in the direction of the arrow to open the battery holder. Please pay attention to the polarity when installing the batteries.



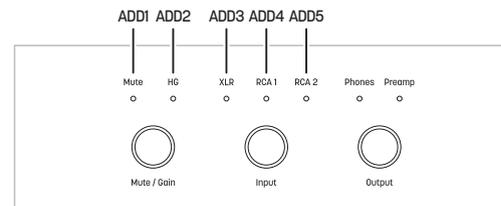
Point the remote control to the device when using it, the operating distance is about 8 meters. When the battery is low, the LED indicator on the remote control flashes red.

Set the Remote Control Address

When there are multiple identical devices in the usage environment, or when the remote control address code of this unit's remote control duplicates that of other electrical appliances, you can switch the remote control address code to avoid incorrect remote control operations.

In standby mode, press and hold the "Input" and "Output" buttons on the main unit for approximately 5 seconds. The LED of the currently selected remote control address code will light up. There are 5 groups of remote control address codes available for selection. At this point, press and hold the " " button and " HG " button on the remote control simultaneously to select the remote control address code—each press switches to the next group. Meanwhile, the LED on the main unit panel will also indicate the corresponding address code. After completing the selection, press any button on the main unit to exit the setting mode.

The remote control address displayed by the panel LEDs are shown in the figure below:



Technical specifications

Analog Input

XLR Input Impedance: 47k Ω

RCA Input Impedance: 47k Ω

PRE Out

Frequency Response: 20-20kHz (+0, -0.1dB), 140kHz@-3dB

SNR: 121dB@+15dB A-weighting, 124dB@+21dB A-weighting

THD+N: < 0.0003%@20Hz-20kHz

Crosstalk: -134dB

Gain: +15dB/+21dB

Output Impedance: < 20 Ω

Headphone Out

Frequency Response: 20-20kHz (+0, -0.1dB), 170kHz@-3dB

SNR: 120dB@+17dB A-weighting, 123dB@+23dB A-weighting

THD+N: <0.0007%@20Hz-20kHz

Crosstalk: -134dB@Balance output, -126dB@SE output

Gain: +17dB/+23dB

Output Impedance: < 1 Ω

SE Output Power : 7W@33 Ω , 1.1W@300 Ω , 580mW@600 Ω , 1%THD

Balance Output Power : 18W@33 Ω , 4.5W@300 Ω , 2.3W@600 Ω , 1%THD

Trigger

Trigger in: DC 6-12V <10mA

Trigger out: DC 12V/50mA MAX

Power

Power Voltage: AC 100V-120V 50/60Hz or AC 220V-240V 50/60Hz

Standby Power Consumption: <1W

Idle Power Consumption: 35W

MAX Power Consumption: <80W

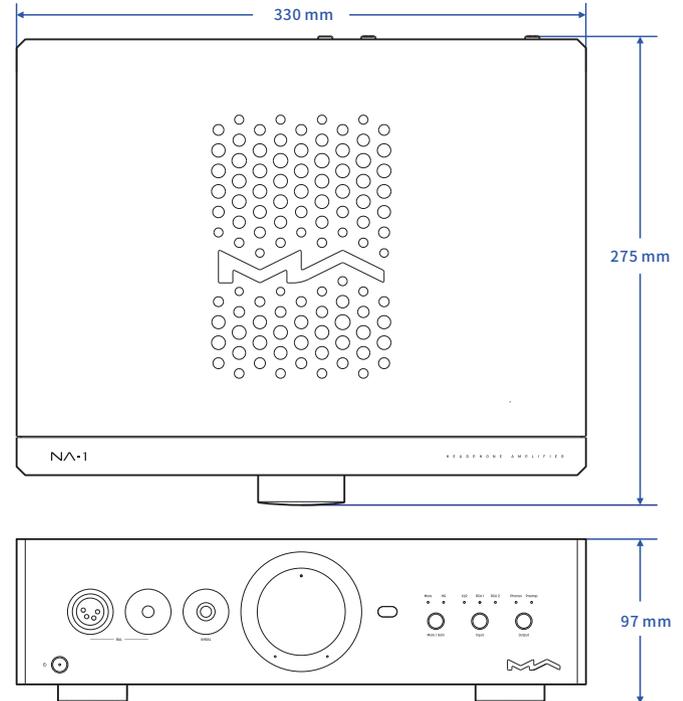
Weight & Size

Weight: 6.16kg (13.58 pounds)

Dimensions: Width 330 mm (12.99 inches)

Depth 275 mm (10.83 inches)

Height 97 mm (3.82 inches)



*For improvement purpose, specifications subject to changes without prior notice.

- This product is for indoor use only.
- For full ventilation, it is recommended to reserve a space of larger than 5 cm around the device.
- Do not cover the air vents with stuffs such as papers, tablecloths, and curtains to obstruct ventilation.
- Do not place stuff with flame, such as lighted candles, on the device.
- If the device is used in tropical areas, please be careful to prevent insects from entering the unit through the air vents.
- The device must not be subject to water droplets or splashes. Please do not place stuffs filled with liquids such as vases and cups on or near the device.