

MATRIX AUDIO

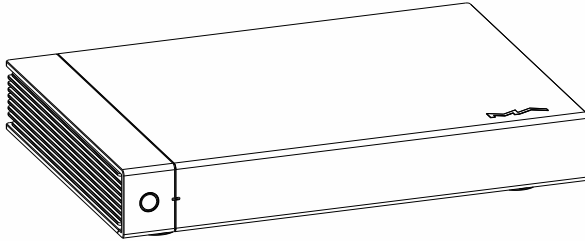
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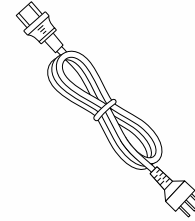
element P2
Audio Power Amplifier

User Manual

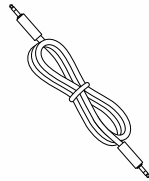
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Product



Power cable

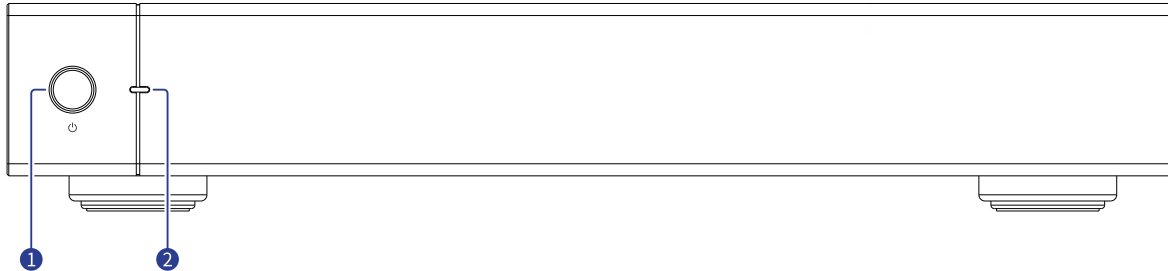


Trigger cable



Quick start guide, warranty card

Front

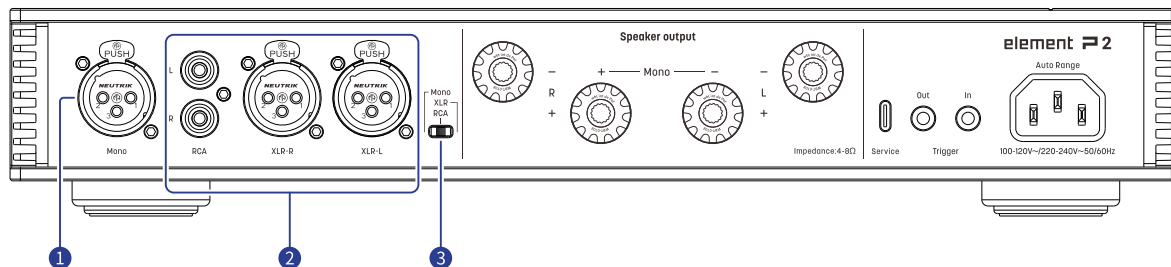
**1 Power on/Standby**

After connecting to power supply, press this button to power on the unit, press it again to let the unit standby.

2 LED indicator

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

Rear

**1 Mono mode input**

In mono mode, a single amplifier drives 1 speaker. Connect amplifier to 1 channel of the front-end audio source device through an XLR cable.

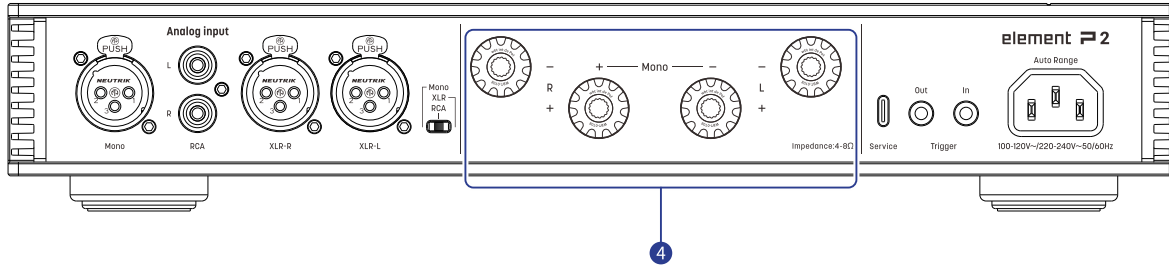
2 Stereo mode input

In stereo mode, a single amplifier drives 2 speakers. Both RCA and XLR cables can be used to connect to the left and right channel of the front-end audio source device.

3 Mode/input switch

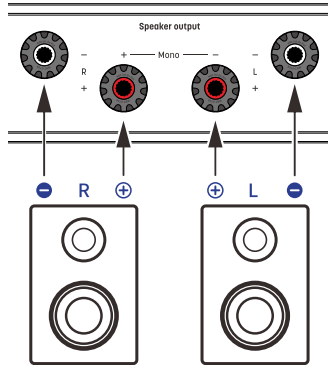
Working mode and input method can be set by this switch. There are 2 input methods, XLR and RCA, that are available for Stereo mode. In Mono mode, only XLR input takes effect.

To avoid misoperation, toggling this switch when the unit is on will not change the current working mode immediately. The switch will take effect after the unit enters standby and starts again.

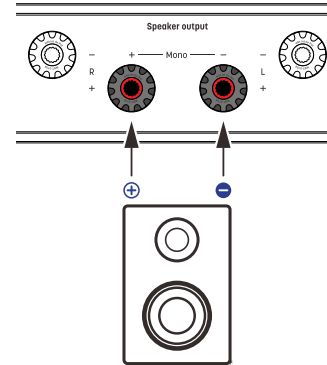


4 Speaker output

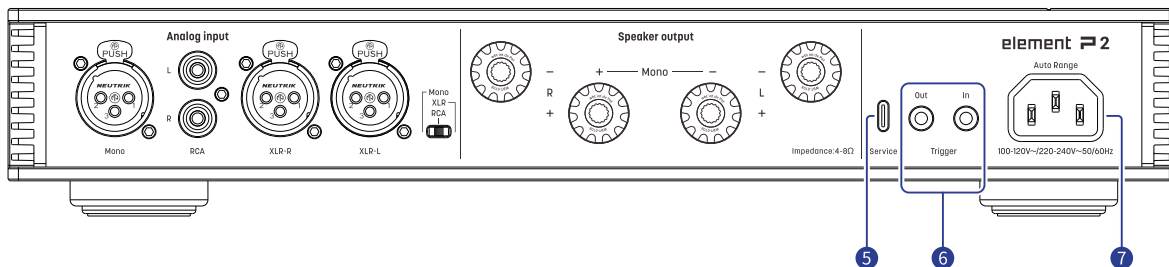
Please refer to the diagram below for speaker connection in Stereo mode.



Please refer to the diagram below for speaker connection in Mono mode.



* Make sure to connect to speakers correctly to avoid damage to the devices.



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 the amplifier and other devices. The trigger output provides a 12V DC signal.

7 AC input

This unit adapts to AC100-120V and AC220-240V power voltage range automatically. Please make sure to use the product in the power voltage range mentioned above.

*Please use the power cable which includes an earth wire. Please ensure you have a reliable earth wire connection. Otherwise, the casing of the unit may have a slightly charged touch. If you need the unit to be turned off completely, please unplug the power cable.

Technical specifications

Stereo mode RCA input

Input impedance : 47k Ω
Gain : 28dB@1kHz

Stereo mode RCA input

Input impedance : 47k Ω
Gain : 34dB@1kHz

Mono mode XLR input

Input impedance : 47k Ω
Gain : 28dB@1kHz

Speaker output

1. Stereo mode

Output power : 2 x 230W @ 1% THD+N, 20Hz – 20kHz, 4 Ω
2 x 110W @ 1% THD+N, 20Hz – 20kHz, 8 Ω

DNR : 112dB A-weighting
Frequency Response : 20Hz-20kHz \pm 0.3dB
THD+N : 0.008% @ 1W
Output impedance : <25m Ω

2. Mono mode

Output power : 850W @ 1% THD+N, 20Hz – 20kHz, 4 Ω
500W @ 1% THD+N, 20Hz – 20kHz, 8 Ω

DNR:121dB A-weighting
Frequency Response:20Hz-20kHz \pm 0.3dB
THD+N : 0.004% @1W
Output impedance : <30m Ω

Trigger

Trigger in : DC 6-12V <10mA

Power

Trigger out : DC 12V/50mA MAX

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

Standby Power Consumption : < 5W

Maximum Power Consumption : 1200W

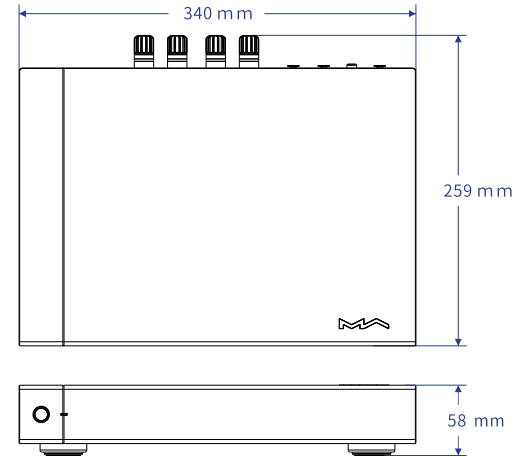
Other specifications

Weight : 3.7kg (8.16 pounds)

Size : Width 340mm(13.39 inches)

Depth 259mm(10.20 inches)

Height 58mm(2.28 inches)



*Specifications are subject to change without 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.
- Do not put stuffs around the device power plug and the AC power socket, in order to disconnect the power supply easily when needed.

HIGH PERFORMANCE AUDIO

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