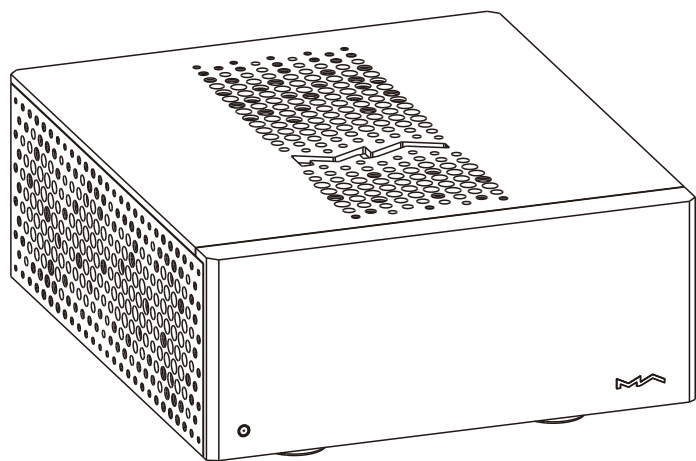




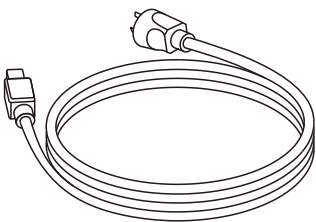
MA-1 User Manual

P o w e r A m p l i f i e r

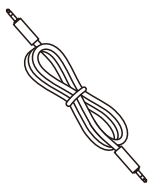
Packing list	01
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Product



Power cable

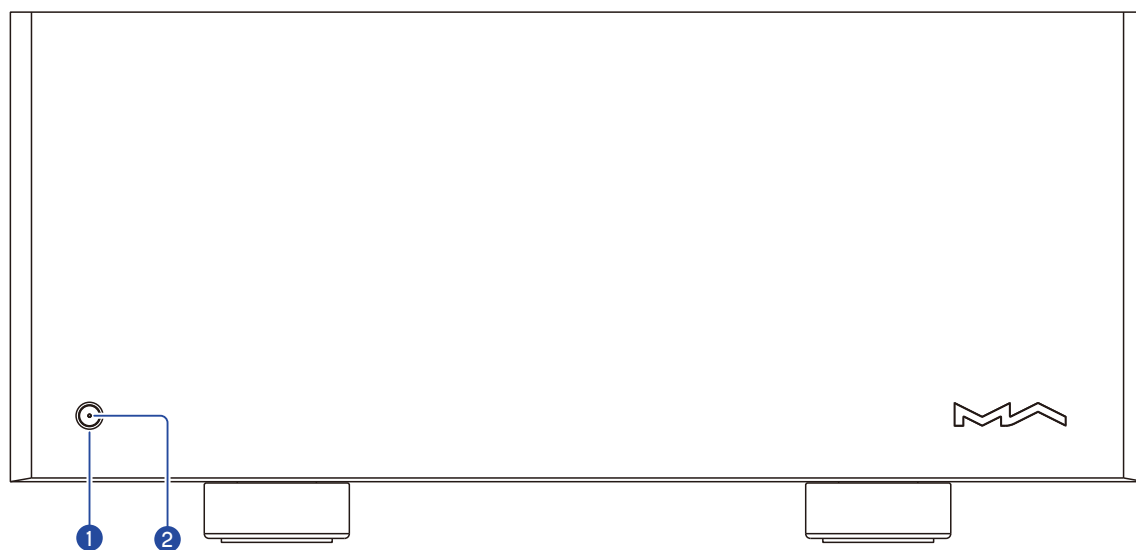


Trigger cable



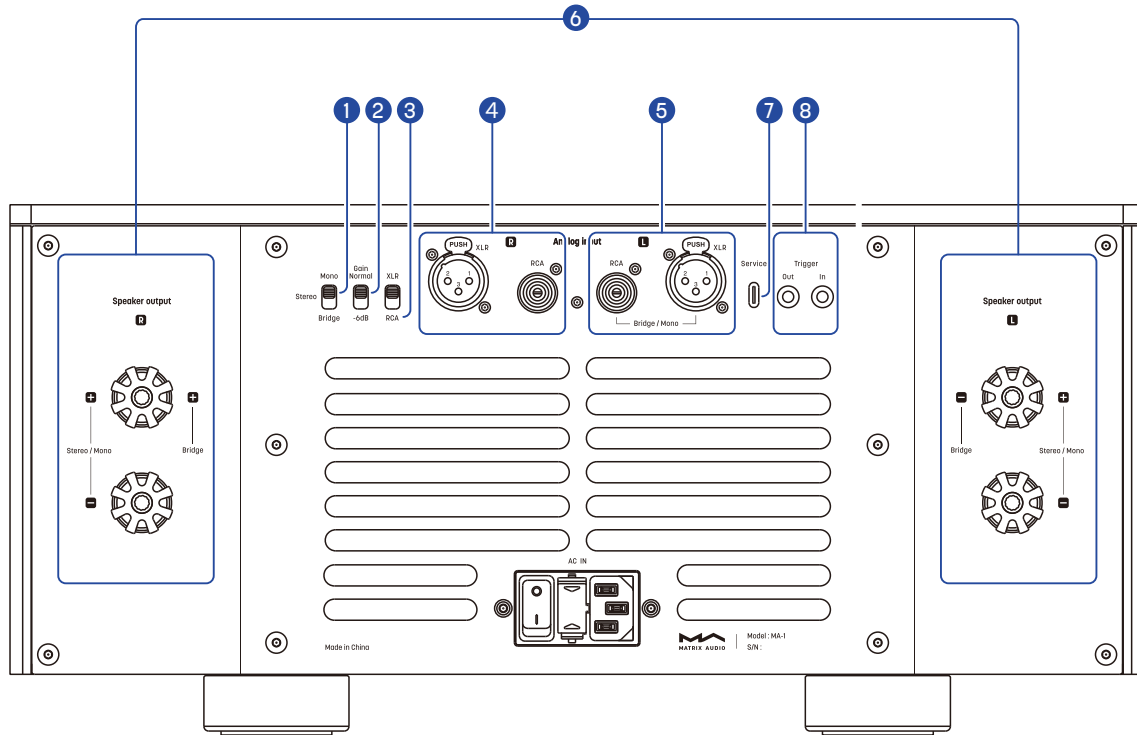
User manual & warranty card

Front



- ① Power on/Standby**
After connecting to power supply, press this button to power on the unit.
Hold it for 1 seconds to let the device enter standby.
- ② LED indicator**
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.

Rear

**1 Working mode switch**

This switch changes the working mode of the device between Mono mode, Stereo mode and Bridged mode. To avoid misoperation, toggling this switch when the device is on will not change the current working mode immediately. The switch will take effect after the device enters standby and starts again.

2 Gain setting switch

This switch changes the gain of the amplifier. The normal gain is +30dB, which can be attenuated to +24dB, to adapt to different preamplifiers or speakers.

3 Input switch

Use this switch to select XLR or RCA as the input channel of the amplifier.

4 Right channel inputs

In stereo mode, use an RCA or XLR cable to connect to the right channel output of the preamplifier. In Bridged and Mono mode, these input ports will not work.

5 Left channel inputs

In stereo mode, use an RCA or XLR cable to connect to the left channel output of the preamplifier. In Bridged and Mono mode, use an RCA or XLR cable to connect to one of the output ports of the preamplifier.

6 Speaker output

Supports 2-16Ω speakers.

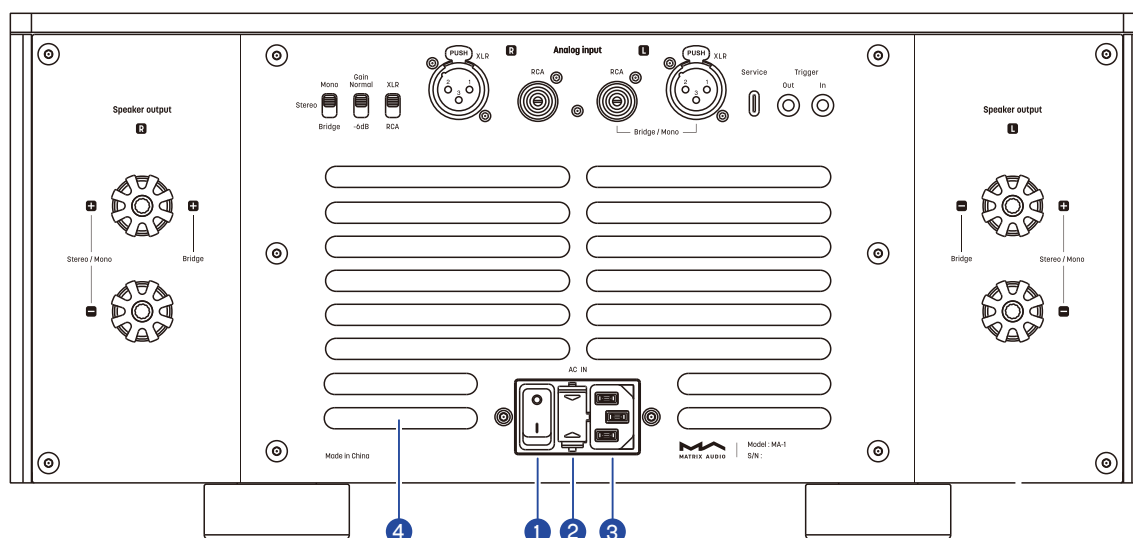
7 USB Type-C

For firmware update.

8 Trigger input/output

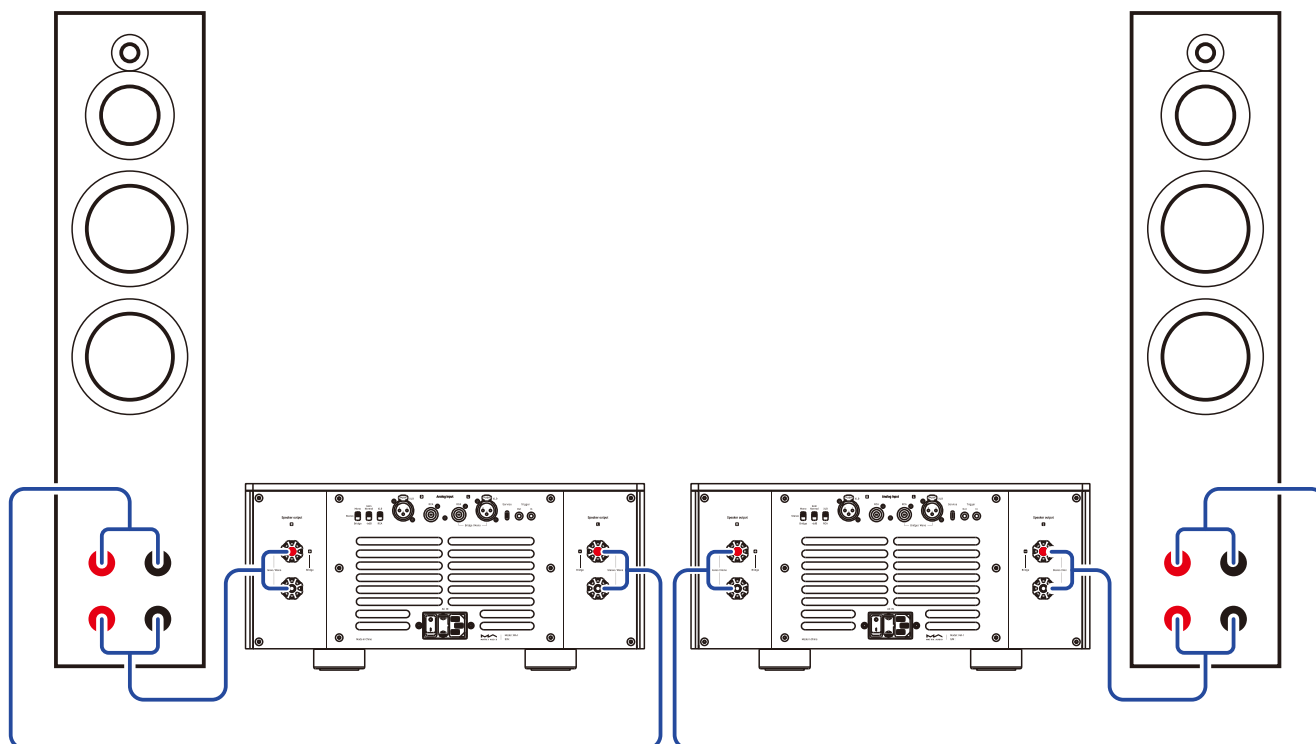
Connect to audio devices with trigger ports through a ø3.5 mm mono plug cables, to achieve a linkage control between MA-1 and other devices. The trigger output provides a 12V DC signal.

Rear

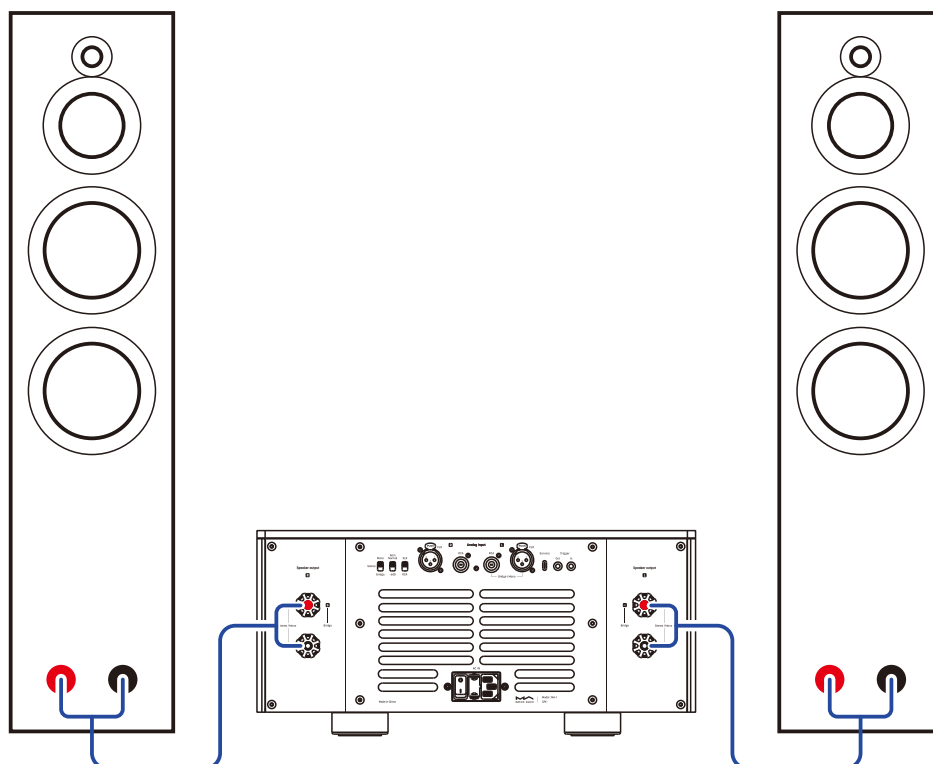


- 1 **Power switch**
If you need the device to be turned off completely, please turn off this switch. Otherwise, there is still about 1W power consumption in standby mode.
- 2 **Fuse case**
Please use a 5*20mm time-delay fuse.
- 3 **Power input**
Please use a power cable which includes an earth wire and ensure you have a reliable earth wire connection. Otherwise, the casing of the device may have a slightly charged touch.
- 4 **Air vents**
Do not block this area to ensure effective air movement.

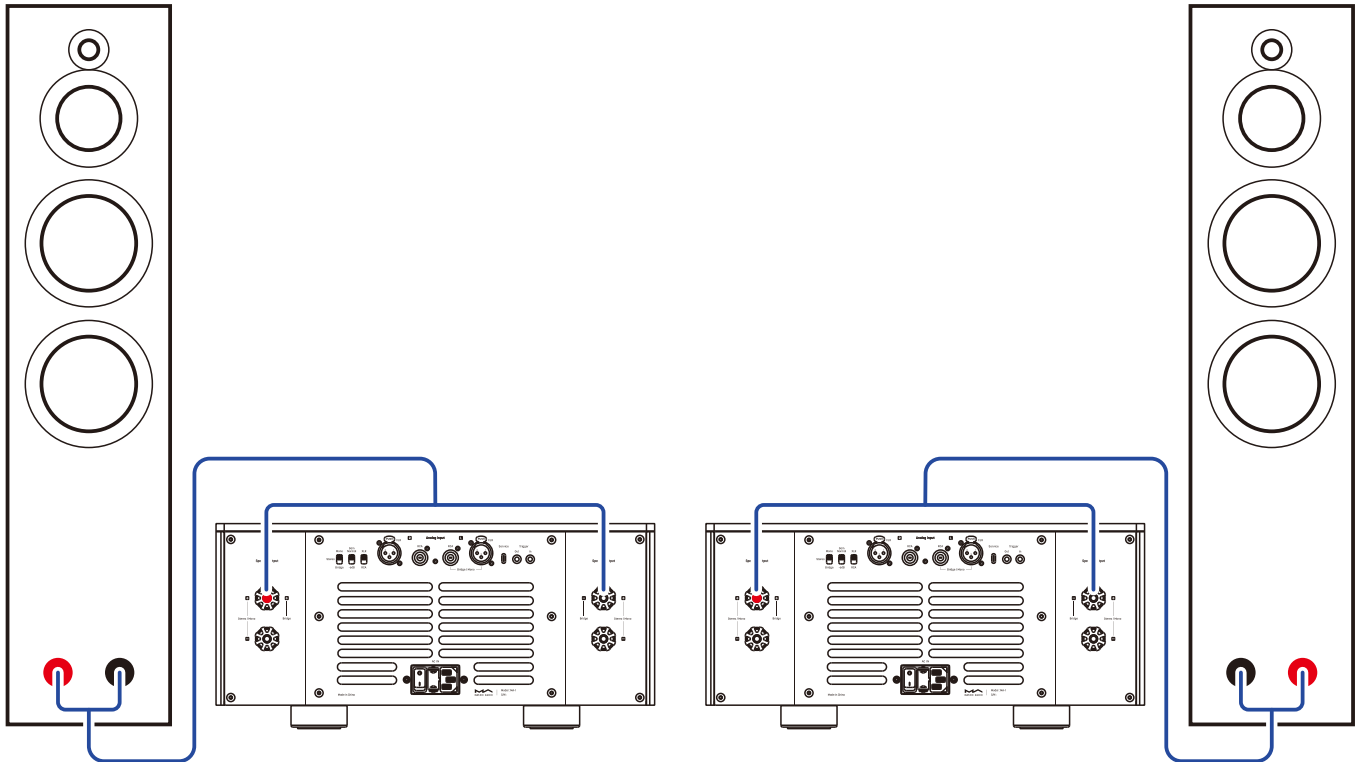
Please refer to the diagram below for speaker connection in [Mono] mode.



Please refer to the diagram below for speaker connection in [Stereo] mode :



Please refer to the diagram below for speaker connection in [Bridged] mode.



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

Audio Specifications

	Stereo/Mono mode	Bridged mode
XLR Input Impedance	40k Ω	
RCA Input Impedance	20k Ω	
Input Sensitivity	1.48Vrms	1Vrms
Output Power	250Wrms x2@8 Ω 450Wrms x2@4 Ω	500Wrms x1@8 Ω 900Wrms x1@4 Ω (Measured under music signal)
Frequency Response	20-20kHz (+0 -0.15dB) 160kHz@-3dB	
SNR	-119dB@+24dB A-weighting -123dB@+30dB A-weighting	
THD+N	<0.02%@250W 8 Ω	<0.06%@500W 8 Ω
Crosstalk	-125dB	
Gain	+24dB/+30dB	
Load Impedance	2-16 Ω	4-16 Ω
Damping Factor	350@8 Ω 1kHz	

Trigger

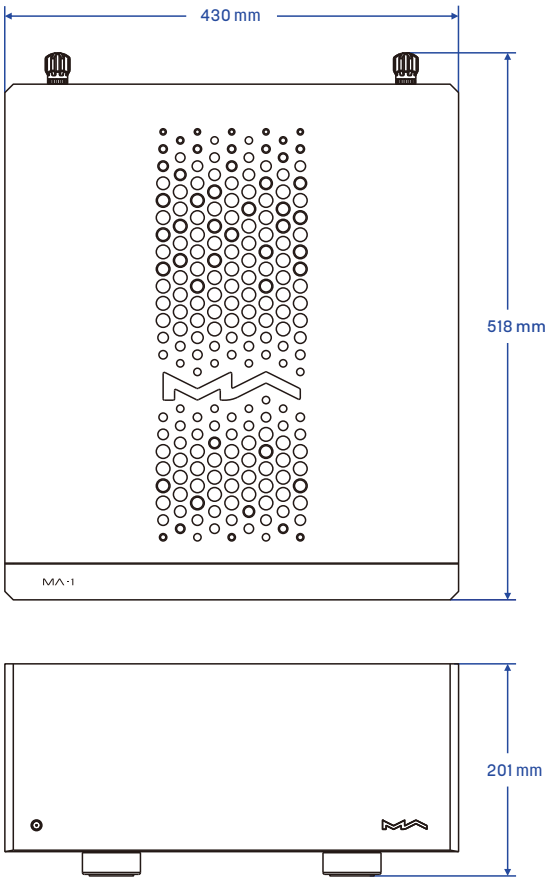
Trigger In: DC 6-12V <10mA
Trigger Out: DC 12V/50mA MAX

Power

Power Voltage: AC 100V-120V 50/60Hz / AC 220V-240V 50/60Hz
factory-fixed
Standby Power Consumption: <1W
Idle Power Consumption: 250-350W
Maximum Power Consumption: <1250W

Weight & size

Weight: 42.4kg (93.5 pounds)
Size: Width: 430 mm (16.93 inches)
Depth: 518 mm (20.39 inches)
Height: 201 mm (7.91 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.



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