



Matrix Audio
MP-1 Balanced
Preamplifier



Matrix Audio MP-1 Balanced Preamplifier User Manual

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Matrix Audio MP-1 Balanced Preamplifier



Specifications

- **Product:** Preamplifier
- **Analog Inputs:** Three pairs of RCA and XLR inputs
- **Analog Outputs:** One pair of RCA outputs and two pairs of XLR outputs
- **USB Type-C:** For firmware update
- **Power Switch:** For complete power off
- **Fuse Holder:** 5*20mm time delay fuse
- **Power Input:** Ensure reliable earth wire connection

Product Usage Instructions

Power On/Standby

After connecting to power supply, press the power button to turn on the unit. Hold for 1 second to enter standby mode.

Volume Control

Use the touch buttons to adjust volume. Single touches change volume step by step, while holding the button changes volume rapidly.

Settings Menu

Access the settings menu by touching the corresponding button. Adjust balance, input levels, output modes, startup volume, and more.

Remote Control

Enable or disable IR remote control functionality. Set address codes to avoid misoperation when multiple devices are used simultaneously.

FAQ

- **Q: How do I update the firmware?**
A: Connect a USB Type-C cable for firmware updates.
- **Q: What is the maximum adjustment for input levels?**
A: The maximum adjustment for input levels is 6dB per channel.

MP – 1 User
Manual pre amplifier

Packing list



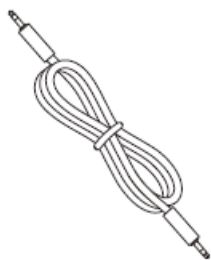
Product



Remote control
(RM4C)



Power cable

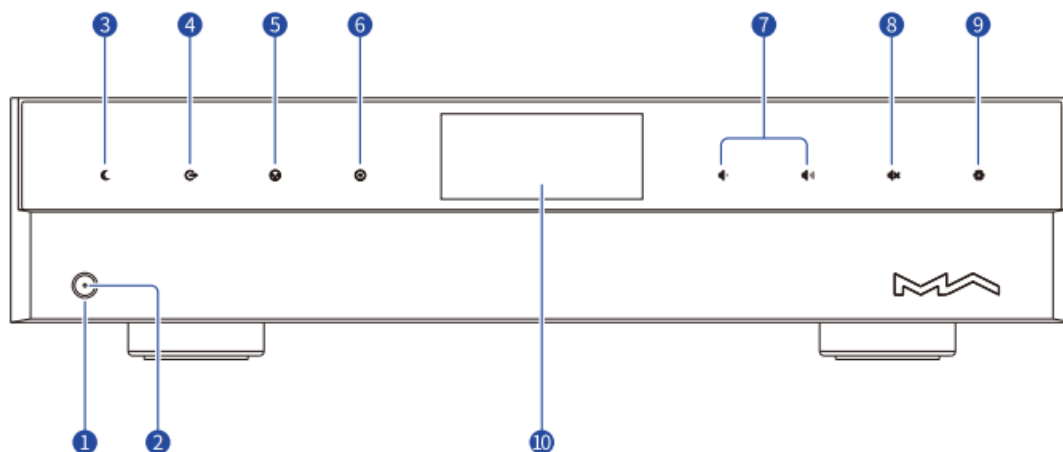


Trigger cable



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 second 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.

3. Touch button for Dimmer

Enable or disable Dimmer mode.

4. Touch button for output selection

Use this button to select among five output modes.

- XLR-A: Balanced output A
- XLR-B: Balanced output B
- XLR: Balanced output A & B work simultaneously.
- RCA: Single-ended output
- ALL: All the output ports work simultaneously.

5. Touch button for XLR input

Use this button to select among three pairs of XLR inputs.

6. Touch button for RCA input

Use this button to select among three pairs of RCA inputs.

7. Touch button for volume up and down

Single touches change volume step by step, hold the button to change volume rapidly.

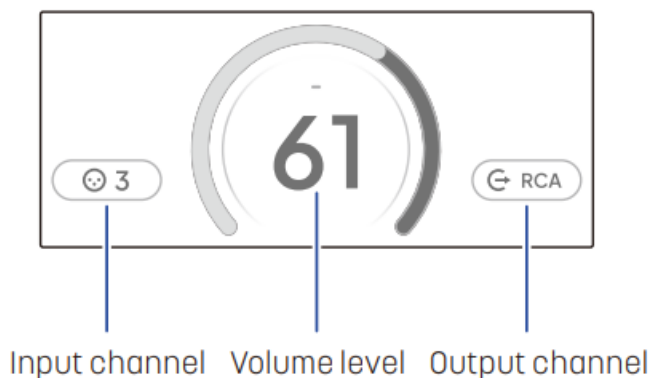
8. Touch button for mute and unmute

Use this button to mute and unmute.

9. Touch button for settings menu

Enter the settings menu by touching this button.

10. Display



Wear

1. Analog input

There are three pairs of RCA and three pairs of XLR inputs.

2. Analog output

There is one pair of RCA outputs and two pairs of XLR outputs.

3. USB Type-C

For firmware update.

4. 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.

5. Fuse holder

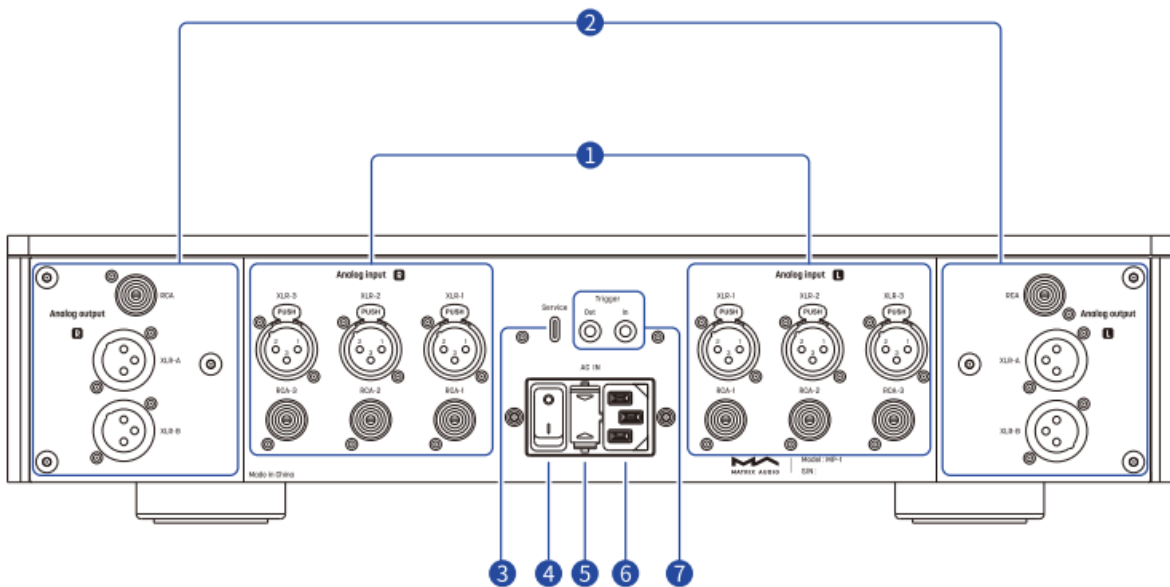
Please use a 5*20mm time-delay fuse.

6. 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.

7. Trigger input/output

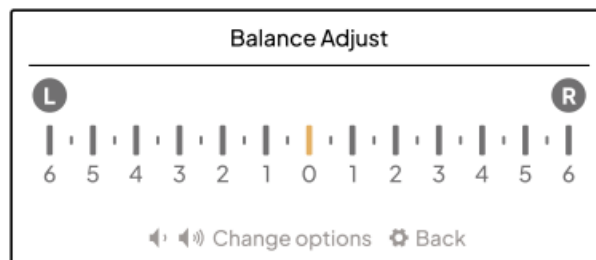
Connect to audio devices with trigger ports through a ø3.5 mm mono plug cables, to achieve a linkage control between the MP-1 and other devices. The trigger output provides a 12V DC signal.



Settings

1. Balance adjust

Set the balance of left and right channels. Every step changes 0.5dB, the maximum adjustment per channel is 3dB.



2. Input level adjust

Set the level of every input channel, to achieve the level of different input channels to keep consistent. Every step changes 0.5dB, the maximum adjustment is 6dB.

Input Level Adjust

RCA 1

RCA 2

RCA 3

XLR 1

XLR 2

XLR 3

-2

Change options

Select

Back

3. Output mode

Enable or disable some output modes. Output modes which are disabled will not be displayed in the output options, at least 1 output method must be selected.

Output Mode

☒

RCA

☒

XLR-A

☐

XLR-B

☐

XLR-A+B

☐

ALL

Select at least 1 output mode

Change options

Select

Back

4. Volume control method

When the option “Independent volume” is selected, different volume values will be saved for every output channel.

Volume Control Method

☐ Uniform volume

☒ Independent volume

Change options

Back

5. Startup volume

Set the default volume when the device is turned on. The device can remember the volume before it was shut down or set to any volume between 1-60.

Startup Volume

Before standby

Custom volume

--

Change options

Select

Back

Startup Volume

Before standby

Custom volume

48

Change options

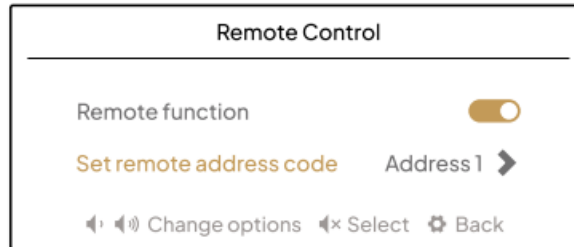
Select

Back

6. Remote control

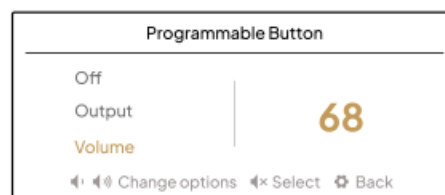
Enable or disable IR remote control functionality. If there are multiple Matrix Audio devices that work at the

same time, you can set the address code of the IR remote control to avoid misoperation.



7. Programmable button

Set the functionality of programmable button on the IR remote control. They can be defined as a specific input channel or a volume level.



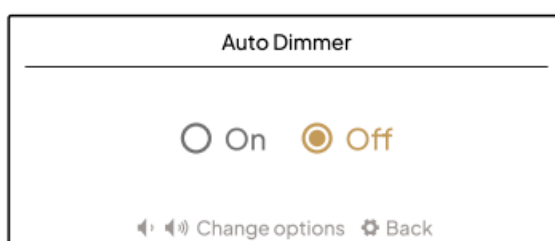
8. Backlight brightness

Set the brightness of the display and the touch buttons.



9. Auto dimmer

Enable or disable the device automatically enters dimmer mode when there is no operation. When this option is set to "Off", the device will still enter dimmer mode by pressing the Dimmer button on the IR remote or the touch button on the device.



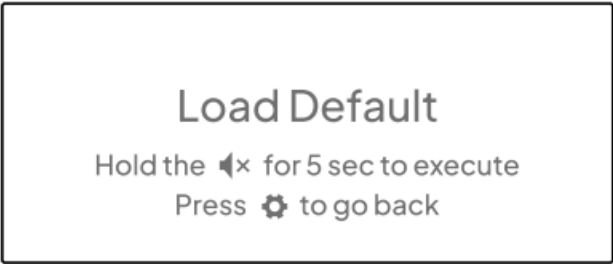
10. Language

Select your preferred language for the user interface. Chinese and English are available.



11. Load default

Reset all the settings to default



12. Product info

View the basic information of the device.



Audio Specifications

	XLR	RCA
Input Impedance	40kΩ	20kΩ
Output Impedance	40Ω	20Ω
Maximum Input Level	9Vrms	4.5Vrms
Maximum Output Level	36Vrms	18Vrms
Frequency Response	20-20kHz ±0.1 250kHz @-3dB	
Dynamic Range Output	129dB@A-weighting 125dB@Unweighting	125dB@A-weighting 120dB@Unweighting
THD+N Output	<0.00015%@A-weighting <0.00020%@Unweighting	<0.00040%@A-weighting <0.00040%@Unweighting
Crosstalk Output	-140dB	-130dB
Gain	+12dB	
Volume Steps	100	

Trigger

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

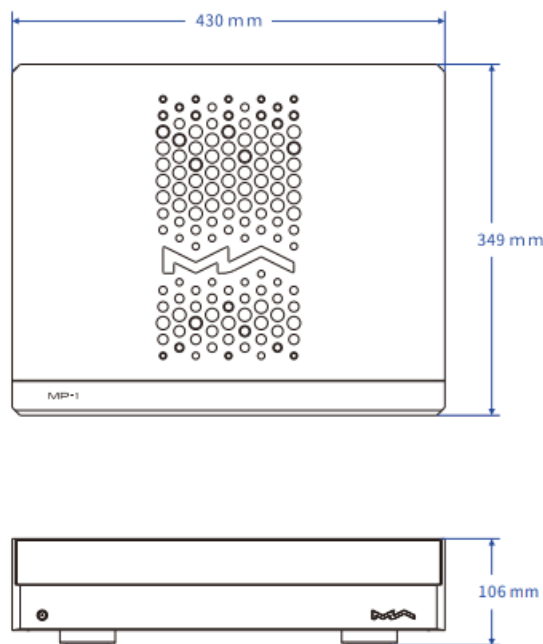
Power Specs

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

- Standby Power Consumption: <1W
- Maximum Power Consumption: <70W

Weight & size

- Weight: 15.7kg (34.6 pounds)
- Size: Width: 430 mm (16.93 inches)
- Depth: 349 mm (13.74 inches)
- Height : 106 mm (4.17 inches)




Attention

- 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.

Matrix Electronic Technology Co., LTD
matrix-digi.com
+86-20-8621122
Room 206 Block 8, # 58 Mingguang Road Xian, Shaanxi

Documents / Resources

 <p>MP-1 User Manual</p>	<p>Matrix Audio MP-1 Balanced Preamplifier [pdf] User Manual MP-1, MP-1 Balanced Preamplifier, MP-1, Balanced Preamplifier, Preamplifier</p>
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References

- [User Manual](#)

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