

MATRIX AUDIO MP-1 Preamplifier User Manual

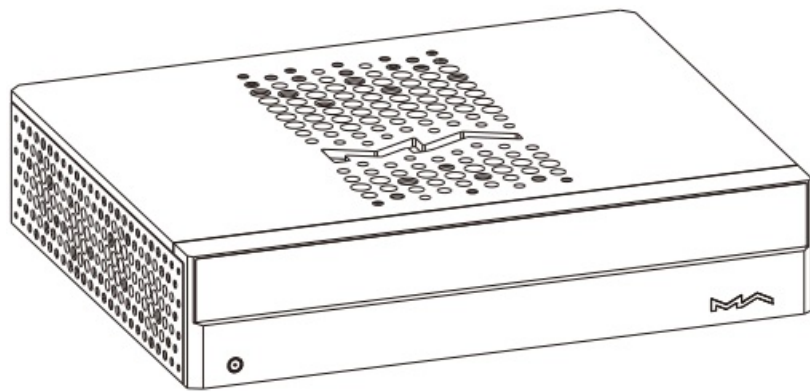


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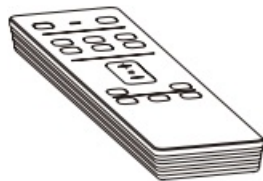
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MP-1 User Manual Preamplifier

Packing list



Product



Remote control (RM4C)



Power cable



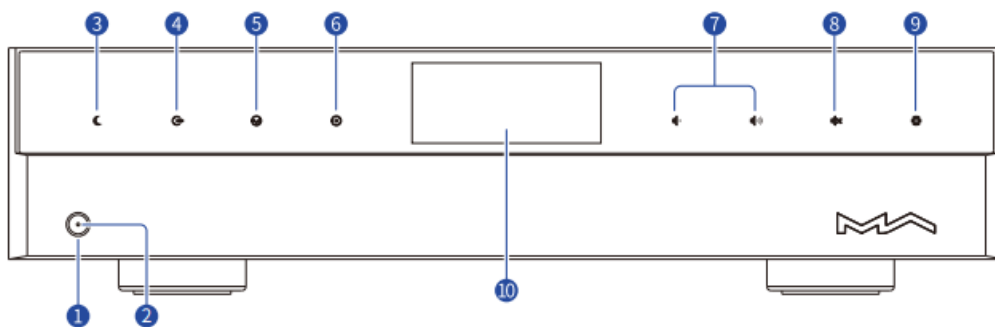
Trigger cable



User manual & warranty card

Parts and names

Front



1 Poweron/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 Touchbuttonforoutputselection

Use this button to select among five output modes.

XLR-A: Balanced output A

XLR-B: Balanced output B

XLR: Balanced output A & B works simultaneously.

RCA: Single-ended output

ALL: All the output ports work simultaneously.

5 TouchbuttonforXLRinput

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

6 TouchbuttonforRCAinput

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

7 Touchbuttonforvolumeupanddown

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

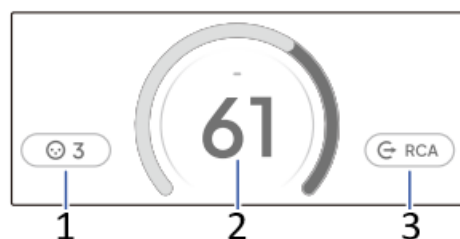
8 Touchbuttonformuteandunmute

Use this button to mute and unmute.

9 Touchbuttonforsettingsmenu

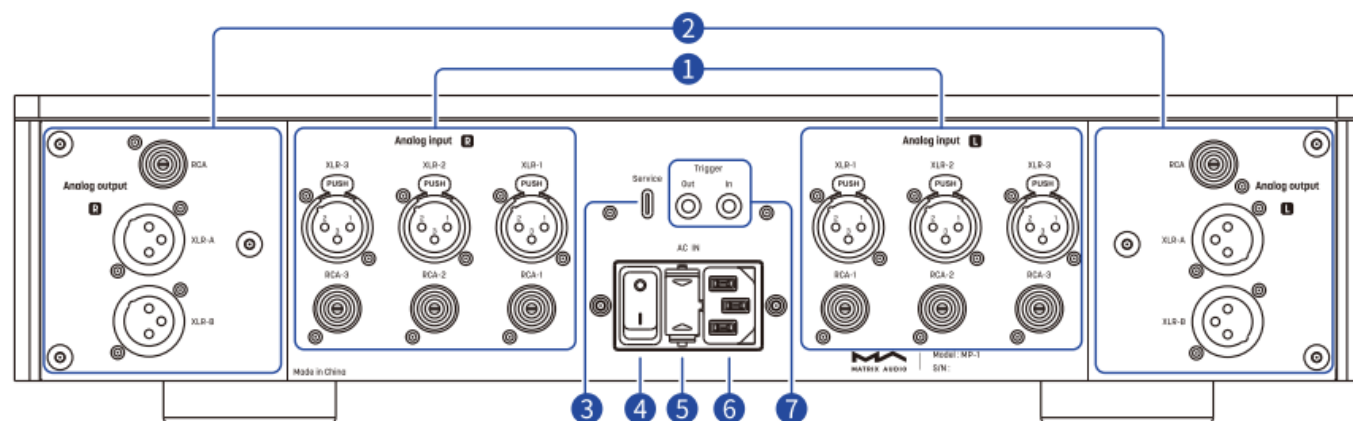
Enter the settings menu by touching this button.

10 Display



1. Input channel
2. Volume level
3. Output channel

Wear



1 Analoginput

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 Powerswitch

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 Fuseholder

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.

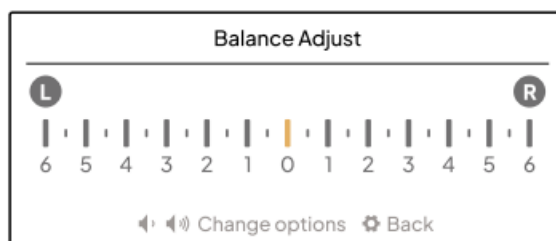
7 Trigger input/output

Connect to audio devices with trigger ports through a $\varnothing 3.5\text{mm}$ mono plug cables, to achieve a linkage control between the MP-1 and other devices. The trigger output provides a 12VDC signal.

Settings

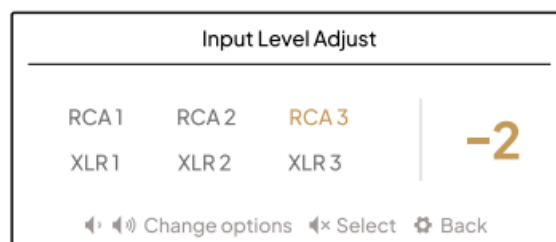
1. Balance adjust

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.



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 shutdown 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.

Remote Control

Remote function

Set remote address code

Address 1

Address 1

Change options
 Select
 Back

Address 1

Address 2

Address 3

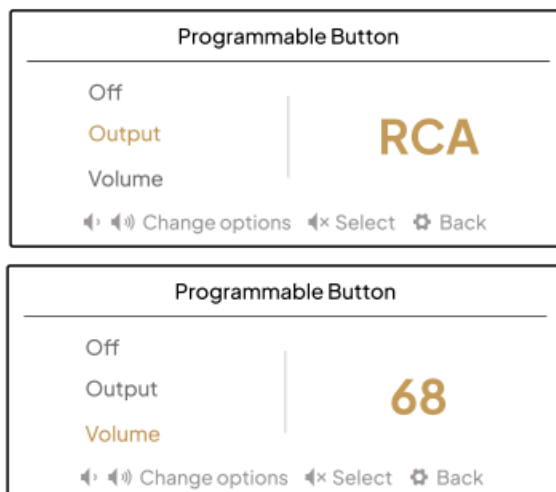
Address 4

Address 5

Hold for 5 sec to switch again

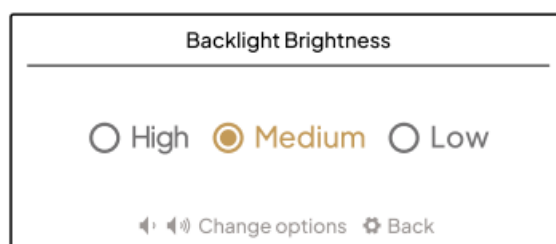
7. Programmable button

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



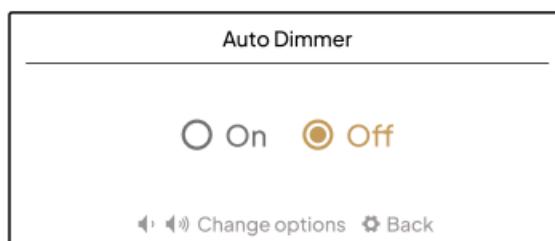
8. Backlight brightness

Set the brightness of the display and the touch buttons.



9. Autodimmer

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.

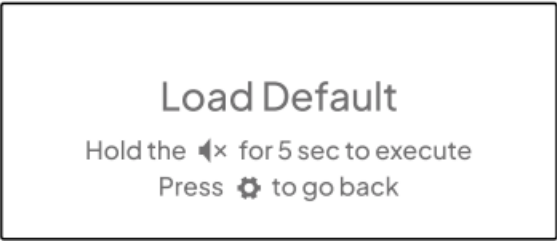


10. Language

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



11.Loaddefault
Resetallthesettingstodefault.



12.Productinfo
Viewthebasicinformationofthedevice.



Appendix

AudioSpecifications

	XLR	RCA
InputImpedance	40kΩ	20kΩ
OutputImpedance	40Ω	20Ω
MaximumInputLevel	9Vrms	4.5Vrms
MaximumOutputLevel	36Vrms	18Vrms
FrequencyResponse	20-20kHz±0.1250kHz@-3dB	
DynamicRangeOutput	129dB@A-weighting 125dB@Unweighting	125dB@A-weighting 120dB@Unweighting
THD+NOutput	<0.00015%@A-weighting <0.00020%@Unweighting	<0.00040%@A-weighting <0.00040%@Unweighting
CrosstalkOutput	140dB	-130dB
Gain	+12dB	
VolumeSteps	100	

Trigger

TriggerIn:DC6-12V<10mA
TriggerOut:DC12V/50mAMAX

PowerSpecs

PowerVoltage:AC100V-120V50/60HzorAC220V-240V50/60Hz factory-fixed

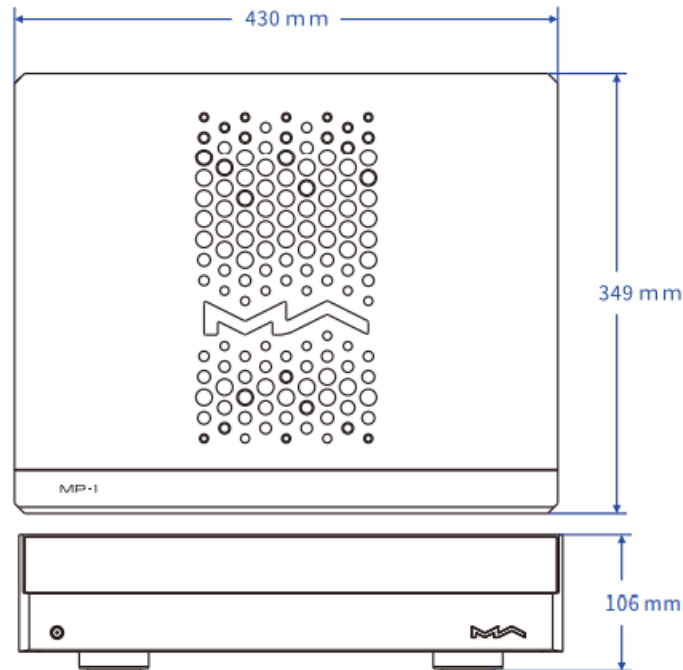
StandbyPowerConsumption:<1W

MaximumPowerConsumption:<70W

Weight&size

Weight: 15.7kg(34.6pounds)

Size: Width:430mm(16.93inches)Depth:349mm(13.74inches)Height:106mm(4.17inches)



* Forimprovementpurpose,specificationssubjecttochangeswithoutpriornotice.

Attention

- Thisproductisforindooruseonly.
- Forfullventilation,itisrecommendedtoreserveaspaceoflargerthan5cmaroundthe device.
- Donotcovertheairventswithstuffssuchaspapers,tablecloths,andcurtainstoobstruct ventilation.
- Donotplacestuffwithflame,suchaslightedcandles,onthedevice.
- Ifthedeviceisusedintropicalareas,pleasebecarefultopreventinsectsfromenteringthe unitthroughtheairvents.
- Thedevicemustnotbesubjecttowaterdropletsorsplashes.Pleasedonotplacestuffs filledwithliquidssuchasvasesandcupsonornearthedevice.



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PGYBOO1V1.0

Documents / Resources



MP-1 User Manual

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MP-1 Preamplifier, MP-1, Preamplifier

References

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