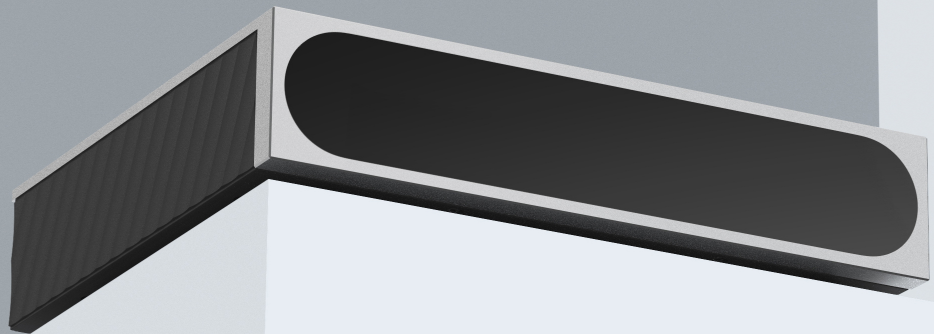




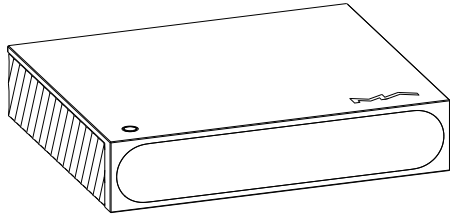
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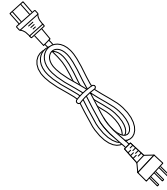
mini-i 4 | User Manual

Music Streamer

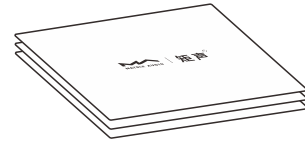
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Product

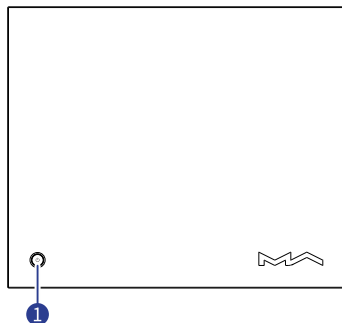


Power cable



Quick start guide, warranty card

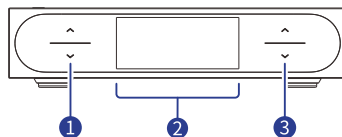
Top



1 Power on/Standby

After connecting to the power supply, press this button to turn on the unit, hold the button for two seconds to standby. It takes about 30 seconds for the first start up after connecting to the power supply each time.
When the device is working, press this button to mute, press again to unmute.

Front



1 Input key

Tap on the up and down arrows to select the input channel in turn, the input channel that stays will be selected.

2 LCD screen

3 Volume key

Tap on the arrow keys to change the volume step by step.

Hold the arrow keys for more than two seconds to change the volume rapidly.

LCD screen

Main information



1 Media and audio information

Including album art, track title, artist, duration, audio format, sampling rate of the track and the filter type being used.

2 Input channel

The name of selected input channel.

3 Status bar

Including of clock and network connection.

4 Output channel and volume

The selected output channel and volume level.

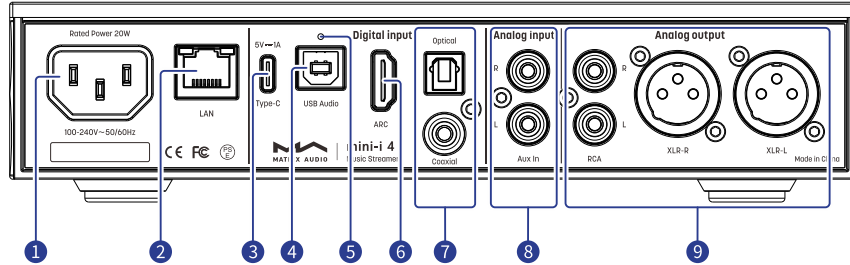
Operation of touch screen



Swipe right to open the shortcut page.

Swipe left to open the menu.

Rear

**1 AC input**

This unit adapts to AC100-240V power voltage range. 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.

2 Ethernet

Connect to LAN port of the network router, the connection supports up to Gigabit Ethernet transmission.

3 USB Type C

Connect to USB storage devices which requires not higher than 5V/1A power supply.

4 USB Audio

Connect to computers, smart phones and tablets as external audio source devices through USB-B cables.

5 Reset button

Only use this button when the device works incorrectly, the device can be reset to factory state. Please operate under the instructions by service team from Matrix Audio.

6 HDMI ARC

Connect to TVs with ARC(Audio Return Channel)functionalities through HDMI cables.

7 Optical & Coaxial input

Connect to front-end devices with S/PDIF signal outputs through optical or coaxial cables.

8 Analog input


Connect to vinyl turntables or devices with analog outputs through RCA cables.

9 Analog output

Connect to active speakers or amplifiers through RCA or XLR cables.

Connect to network

LAN

Connect the product to the LAN port of the network router through an Ethernet cable. It is recommended to set up the router as a DHCP server. The unit will be assigned an IP address automatically. Select "LAN" in option Network in Settings menu, after joining the network, there will be a  shown in the status bar.

When the connection has no Internet access, there will be a  in the status bar.

MA Remote App

Install MA Remote App for your iPad, iPhone or Android phone.



Open the app, it will automatically search for the device and enter the home page after the device is added.

If you need to add the device manually, you can follow the prompts in the app wizard and scan the host QR code to add it manually.

* Please make sure the device and your phone or iPad in the same network before connection.



To control and configure the device through MA Remote App, or playback streaming music from the element devices, please refer to www.matrix-digi.com/tutorials for instructions.

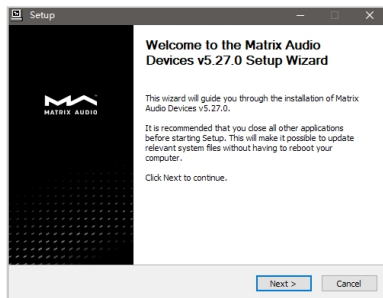


Tutorial Video

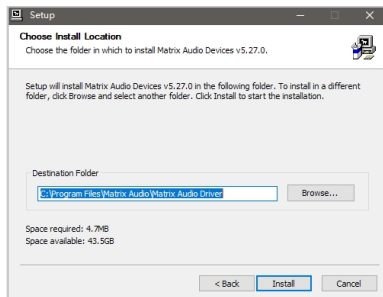
Driver for USB Audio

When connecting the device to a Windows 7/8/10/11 computer via USB connection as an external audio device, please install drivers as following instructions:

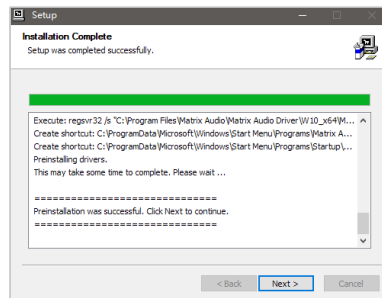
1. Double-click the driver installation package and click "Next".



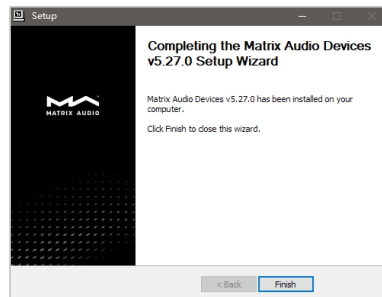
2. Select installation path and click "Install".



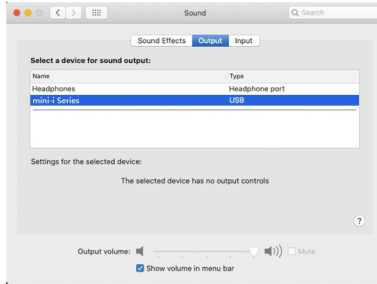
3. Click "Next" after the installation is complete.



4. Click "Finish" to close the Setup Wizard.



It's no need to install drivers for macOS, just select "mini-i Series" as the audio output device in Sound Preferences.



The device can be connected to an iPhone or iPad via a Lightning to USB Camera Adapter.

The device can be connected to Android devices via an OTG adapter, but not every Android devices are compatible with device via OTG connection.

Technical specifications

Hardware Platform

CPU : Quad Cortex-A55 2.0GHz
D/A Chip : ES9039Q2M

Digital Input

COAXIAL & OPTICAL

PCM 16-24Bit/44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz
DSD 2.8MHz (DoP)

HDMI ARC

PCM 16-24Bit/44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz

USB Audio

PCM 16-24Bit/44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz,
352.8kHz, 384kHz, 705.6kHz, 768kHz
MQA 16-24Bit/44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz,
352.8kHz, 384kHz MQA or MQA Studio stream
DSD 2.8MHz, 5.6MHz, 11.2MHz (DoP)
DSD 2.8MHz, 5.6MHz, 11.2MHz, 22.4MHz (Native)

Aux Input

SNR : 100dB A-weighting
THD+N : <0.0035%@1k, <0.0035%@20Hz-20kHz
Frequency Response : 20Hz-20kHz \pm 0.1 -3dB@46kHz
Channel Crosstalk : >-105dB
Input Level : 2.1VRMS Maximum

Line Output

XLR
SNR : 127dB A-weighting

THD+N : <0.00015%@1k, <0.00018%@20Hz-20kHz
Frequency Response : 20Hz-20kHz \pm 0.1 -3dB@90kHz
Crosstalk : >-146dB
Output Level : 4.4VRMS@0dB

RCA

SNR : 121dB A-weighting
THD+N : <0.00015%@1k, <0.00030%@20Hz-20kHz
Frequency Response : 20Hz-20kHz \pm 0.1 -3dB@90kHz
Channel Crosstalk : >-133dB
Output Level : 2.2VRMS@0dB

Network

LAN : 10/100/1000 Mbps

USB Type C

The USB Type C port provides a maximum power of 5V/1A.
The USB Type C port works with devices which conform to the USB mass storage standard and supports FAT, FAT32, exFAT, and NTFS file formats, but is not guaranteed to be compatible with all storage devices.

MA Player

Controller app : MA Remote App

Local Playback :

Format Supported

MP3, WMA, WAV, AIF, AIFF, AAC, FLAC, OGG, APE, ALAC,
M4A, DSF, DFF, CUE
PCM 16-24Bit/44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz,
192kHz, 352.8kHz, 384kHz, 705.6kHz, 768kHz
MQA 16-24Bit/44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz,
192kHz, 352.8kHz, 384kHz MQA or MQA Studio stream
DSD 2.8MHz, 5.6MHz, 11.2MHz, 22.4MHz

Roon Ready:

PCM	16-24Bit/44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz, 352.8kHz, 384kHz, 705.6kHz, 768kHz
MQA	16-24Bit/44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz, 352.8kHz, 384kHz MQA or MQA Studio stream
DSD	2.8MHz, 5.6MHz, 11.2MHz, 22.4MHz

AirPlay 2, DLNA/UPnP, TIDAL Connect, Spotify Connect, vTuner, Radio Paradise, HIRESAUDIO, the audio specs depend on the service provider.

Power specifications

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

Standby Power Consumption : < 5W

Maximum Power Consumption : < 20W

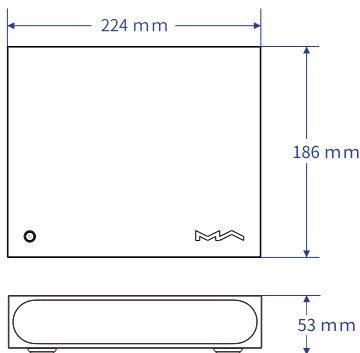
Other specifications

Weight : 1.3kg (2.87 pounds)

Size : Width 224 mm (8.80 inches)

Depth 186 mm (7.32 inches)

Height 53 mm (2.07 inches)



About MQA (Master Quality Authenticated)

This unit includes a MQA full decoder, which enables you to playback MQA audio files via streaming or USB audio port, delivering the sound of the original master recording.

The dots beside the MQA logo green or blue to indicate that the unit is decoding and playing an MQA stream or file, and denotes provenance to ensure that the sound is identical to that of the source material. It glows blue to indicate it is playing an MQA Studio file, which has either been approved in the studio by the artist/producer or has been verified by the copyright owner.

The dot glows magenta to indicate that the unit is rendering an MQA stream or file. This delivers the final unfold of the MQA file.

*MQA and the Sound Wave Device are registered trade marks of MQA Limited. ©2016

About Roon Ready

Being Roon Ready means that Matrix Audio music streamers transparently discover and connect to Roon without any configuration, and bit-perfect audio is delivered from Roon to your music streamers.

About Spotify

Use your phone, tablet or computer as a remote control for Spotify. Go to www.spotify.com/connect to learn how.

The Spotify Software is subject to third party licenses found here:

<https://www.spotify.com/connect/third-party-licenses>

*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.

Into The Music

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