



EN

Mini-i AMP

Manual

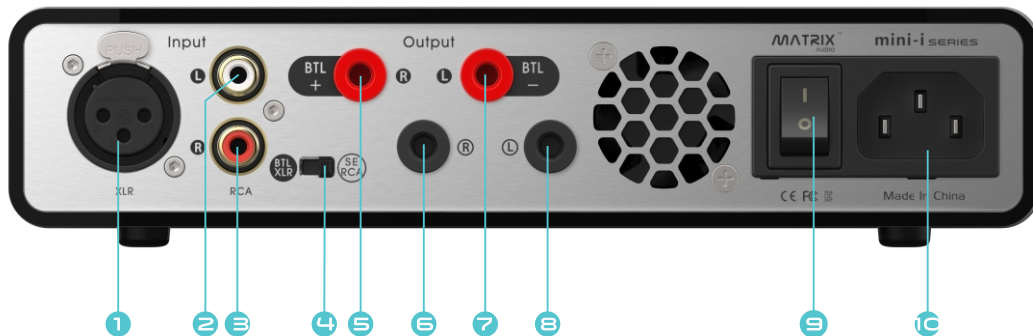
www.matrix-digi.com

Front Panel



1 State LED Indicator

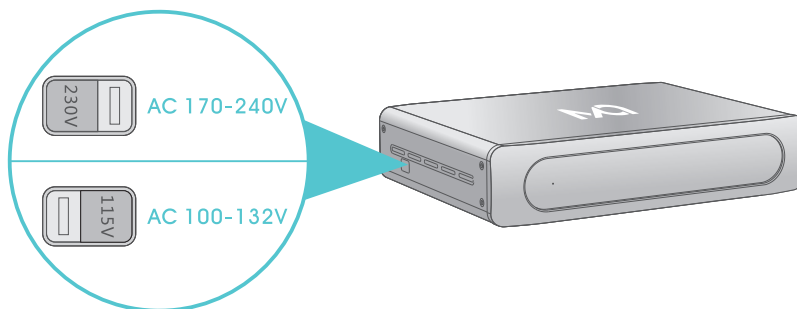
Rear Panel



- ① XLR Input
- ② Left Channel of RCA Input
- ③ Right Channel of RCA Input
- ④ Working Mode Switch
- ⑤ Right Channel Output + (BTL Mode Output +)
- ⑥ Right Channel Output -
- ⑦ Left Channel Output + (BTL Mode Output -)
- ⑧ Left Channel Output -
- ⑨ Power Switch
- ⑩ AC Power Input

AC Power

Mini-i AMP compatible with two voltage specifications, please set the voltage switch according to your local voltage environment before using, as shown below:



Two sections of voltage switch are 115V and 230V, following is the voltage range:

115V position is fit for AC100V-132V 50/60Hz

230V position is fit for AC170V-240V 50/60Hz

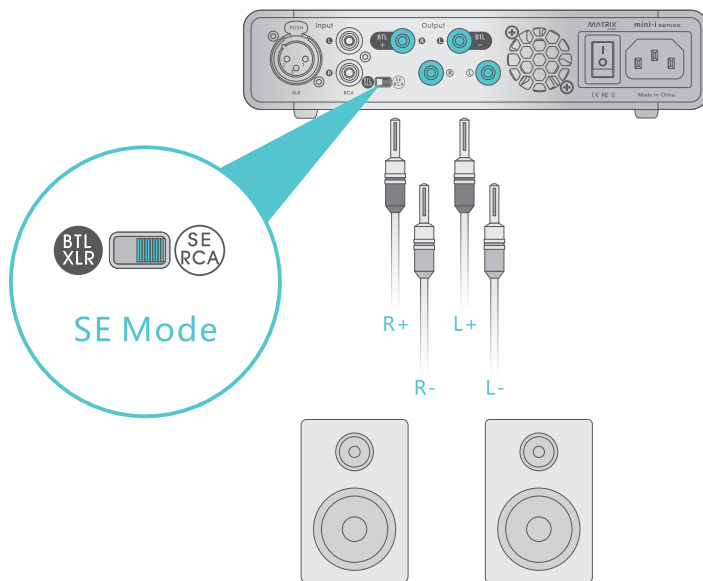
Please ensure the input voltage is in the right range before using, the incorrect voltage input can damage your device.

For reducing the noises and get the best playback quality, please use the three-phase power cable which is include the ground terminal, and ensure the ground is reliable connection.

Using & Setting

- Connect to Speakers

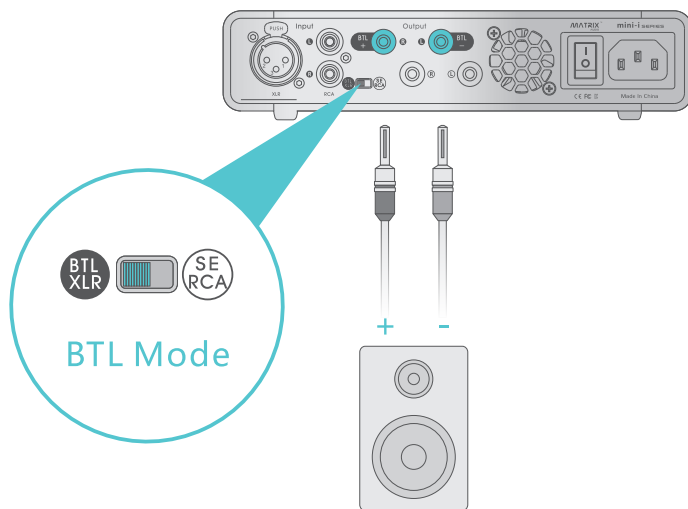
Using one Mini-i AMP at SE mode, please refer to the following picture to connect speaker:



Please ensure that you are correctly connect to the Mini-i AMP, otherwise it will damage your device.

Using&Setting

Using two Mini-i AMP at BTL mode, please refer to the following picture to connect speakers.



Please ensure that you are correctly connect to the Mini-i AMP, otherwise it will damage your device.

- Power On/Off

Connected the power plug to Mini-i AMP and power on, the LED indicator turn red, about 1 second later, it will turn blue or green (SE mode is green, BTL mode is blue), whereafter, into normal working status, power off via the power switch on rear panel.

- Working Mode Selection

Mini-i AMP has two working modes, SE mode and BTL mode.

SE mode: Stereo output, 120W output power for each channel; one Mini-i AMP can drive two low to medium power speakers

BTL mode: Mono output, 450W output power ability, can use two Mini-i AMP and each Mini-i AMP to driver one channel.

Slide the switch on rear panel to change the working mode, mode switching operation is only effective in the power off state, in power on state, slide mode switch will not change the current working mode until restart Mini-i AMP, in order to prevent misuse.

Different mode shows by LED color, SE mode is green, and BTL mode is blue.

Please confirm the speaker connection is correct before changing the working mode, the wrong connection will damage your device.

- Heat Dissipation Management

Mini-i AMP use the ICEPower 125ASX2 digital amplifier module which have high power density and high temperature when working, so it use a fan to assist cooling, the internal temperature sensor will detect the temperature of module at all time, and adjust the fan speed according to the temperature. In order to get a good heat dissipation and quietness effect, please place the Mini-i AMP in a ventilated position.

- Failure Detection

Mini-i AMP will detect the internal sensor automatically and to get the working state of amplifier module, it will shut down the output once found abnormal condition, and the LED indicator will blink, different blink mode indicate different failure, Mini-i AMP will not respond any switch operations when there have a failure, only remove and replug the power cable can be unlocked device, the detail as follow:

Fan Error	• • •
Temperature Sensor Error	•• •• ••
Module Overcurrent	••• ••• •••
Module Over-heating	•••• •••• ••••

Technical Specifications

SE Mode

RCA Input Impedance :	47k Ω
Input Sensitivity :	0.775V at 4 Ω 120W
Voltage Gain :	39dB at 1kHz
Frequency Response :	20Hz-20kHz \pm 0.15dB
Output Power :	2 x 120W at 1% THD+N, 20Hz–20kHz
Dynamic Range :	117dB
THD+N :	0.002% at 1W
Output Impedance :	< 25m Ω

BTL Mode

XLR Input Impedance :	47k Ω
Input Sensitivity :	0.775V at 4 Ω 450W
Voltage Gain :	58dB at 1kHz
Frequency Response :	20Hz-20kHz \pm 0.3dB
Output Power :	1 x 450W at 1% THD+N, 20Hz–20kHz
Dynamic Range :	121dB
THD+N :	0.002% at 1W
Output Impedance :	< 25m Ω

Power

Power Voltage: 230V position is fit for AC170V-240V 50/60Hz
115V position is fit for AC100V-132V 50/60Hz

Power Consumption: 15W-600W

Other Specifications

Dimension: 160 x205 x 47 mm(L x Wx H,includingthe protruding part)

Weight: 1.4kg

Customer Service

From the purchase date, we provide you one-year-limited warranty , warranty does not contain accessories.

Any fault caused by product quality problems during the warranty period, not include fault caused by wrong use, negligence, accidental damage and unauthorized modifications or replace components, we will provide free maintenance.

For more information, please visit www.matrix-digi.com.



MATRIXTM
AUDIO

Ver.201607

Xi'an Matrix Electronic Technology Co., Ltd.
C2-2411, NO.22 Fengcheng 2nd Rd, Xi'an, Shaanxi, China
support@matrix-digi.com
info@matrix-digi.com
+86-29-65693537