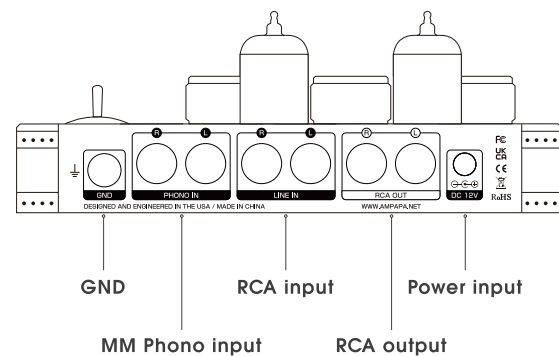
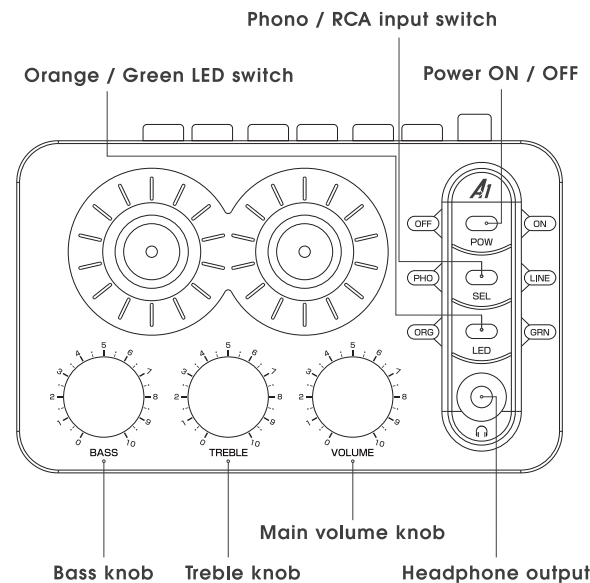


A1 Manual

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Instruction of Panels



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Specifications

Audio input	Phono MM / Stereo RCA
Audio output	Stereo RCA / 3.5mm Headphone Jack
Input level	0.775V RMS (RCA)
	0.005V RMS (Phono)
Frequency response	20Hz-20KHz (±0.5dB) (RCA)
	Ref to RIAA (±2dB) (Phono)
Headphone output power	125mW(32Ω) / 62.5mW(64Ω) / 30mW(128Ω)
Headphone impedance range	16-300Ω
THD	≤0.1%
Output level	1.5V RMS (RCA)
	0.6V RMS (Phono)
S/N ratio	≥106dB (RCA)
	≥80dB (Phono)
Working voltage	DC 12V (≥1.5A)
Package weight	900g / 1.98lb
Package dimensions (W*D*H)	260*145*78mm / 10.24*5.71*3.07in

Operation Steps

1. Install the equipped vacuum tubes into the tube sockets, before insertion please align the pins of tube to the holes of socket.(Please check whether the tube pins are deformed or not.)
2. Connect audio input:
 - 1) RCA input: connect the RCA output of audio source (such as TV, computer, CD player, phone, etc.) to the RCA input interface of A1 via high-quality RCA cable.
 - 2) Phono input: connect the phono output of MM turntable to the phono input interface of A1 via high-quality RCA cable.
 - 3) Toggle the phono/RCA input switch to correct position after connecting input.

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3. Connect audio output: connect the RCA output interface of A1 to the RCA input of compatible devices (such as amplifier, active speaker, etc.), or connect a headphone to the 3.5mm headphone output jack of A1.
4. Connect default DC 12V power adapter to the power interface of A1, and plug the power adapter into the electrical outlet.
5. Turn on your audio source and start to play music.
6. Toggle the power switch to ON position to turn on A1, clockwise rotate the volume knob / treble knob / bass knob to their proper positions.
7. After enjoying music, please turn A1 off first and then disconnect the power adapter.

Warm Tips

1. Please check first if your phono cartridge is MM or MC type, A1 cannot work with MC phono cartridge. (Please consult turntable supplier for the cartridge type.)
2. Please check whether your MM turntable with built-in phono preamp or not, if yes, please connect to the RCA input of A1, if no, please connect to the phono input of A1. (Please consult turntable supplier if there is a built-in phono preamp.)
3. A1 is designed with pluggable tube sockets, compatible with 6J1, 6K4, 6J5, GE5654W, 6*1N, 6*2N, 6J5, 6A2, etc. and can be replaced directly. For more other models, please check and compare their related parameters to judge whether they can be replaced.
4. Stereo RCA output and 3.5mm headphone output can work at the same time, and the volume / treble / bass of two outputs are controlled simultaneously. Recommend to use TRS headphones, A1 may not be compatible with TRRS headphones which with microphone function.
5. Please keep A1 away from WiFi routers, wireless phones, radios and other wireless RF devices, otherwise the tube working may be interfered and some noise may occur.
6. The equipped power adapter of A1 should avoid sharing sockets with inductive loads such as refrigerators, fans, washing machines, etc., otherwise the power adapter may be interfered and various kinds of noise will be caused.
7. The working voltage of A1 is DC 12V, below or over this will cause bad performance or damage.

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FAQ

Q: All my cables are connected, why is there no sound output?

- A: 1. Check whether A1 is powered on or not (judge from power adapter / power switch / power indicator), the input switch has been toggled to the correct position or not.
2. Check whether the devices from A1 to speaker or headphone are connected correctly, the volume of them is in the minimum state or not.
3. If the above are all normal, please check whether the input signal of audio source is muted, paused, or the volume is in the minimum state or not.

Q: Why is the sound distorted ?

A: Distortion usually occurs when the volume of audio source and A1 are both adjusted to the maximum state, just turn down the volume of one of them.

Q: Why is there a lot of electrical noise from the loudspeaker?

A: If the power adapter you use is not original, please change another clean power supply to try again. Many power adapters in the market are with large disturbance coefficient, which will cause large current noise.

Q: Why does the speaker make a loud buzzing sound when only connecting the input cable without connecting the audio source?

A: Please plug out the signal cable to check whether the noise still exists or not. Some interference will enter A1 and cause some buzzing noise when using the signal cables without shielding. Recommend to use high-quality signal cables with shielding.

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Q: Can I replace vacuum tubes when A1 is powered on and working?

A: No, because during working there is a high voltage inside A1 which will cause damage and danger. Please turn A1 off first if you want to replace vacuum tubes.

Q: Why is there a loud buzzing sound when the phono input is unloaded (not connect input cable)?

A: Because the output signal of turntable is very small and needs high amplification times. In order not to affect the output characteristics and the sound quality of cartridge, the input impedance of A1 is very high, so it's easy for A1 to sense and amplify the ambient noise when the input is unloaded. This is normal and the noise will disappear after the turntable plays music normally.

Q: If my turntable without a separate ground wire, how to connect the GND terminal of A1?

A: There is no need to connect additional ground wire to A1 if the turntable without GND wire.

Q: Why does the turntable sometimes make uninterrupted crackling noise?

A: There will be some wear and tear of the cartridge after long time use which will lead to track skipping. Also, the similar noise will occur if the disc is stained or dusty. Please replace the cartridge or clean the disc.

Cautions

1. Don't open the case without permission, improper operation may cause electric shock.
2. Don't change the tube at will, otherwise the tubes or A1 will be damaged.
3. Don't put A1 in the environment of high temperature or humidity.

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