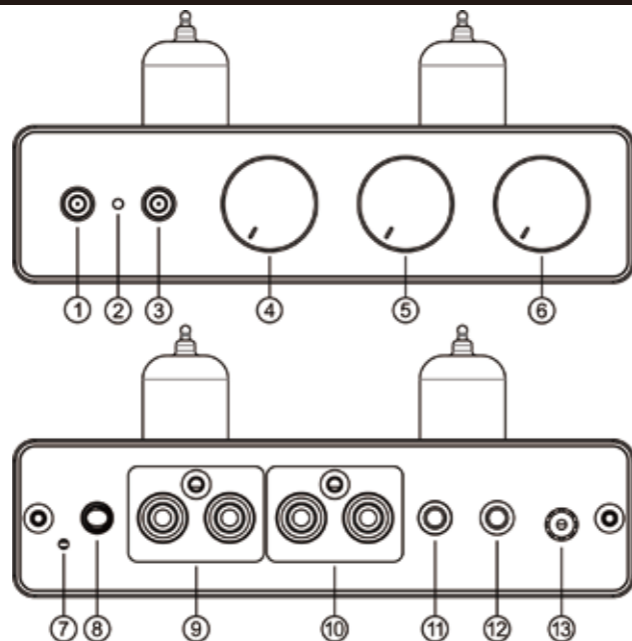


AIYIMA® AUDIO

Bluetooth 5.1 Tube Preamplifier USER MANUALS

Model: T1 PRO

Front and Rear Panel Description



- ① ——— ON / OFF Input channel switching
- ② ——— Input the channel indicator light
- ③ ——— High / bass adjustment switch (Turn on the high and low frequency adjustment upwards, and turn off the high and low frequency adjustment downwards)
- ④ ——— Bass regulates knob
- ⑤ ——— Treble regulates knob
- ⑥ ——— Total volume adjustment knob
- ⑦ ——— Clear Bluetooth pairing record button (long press for 1.5 seconds to clear Bluetooth pairing record)
- ⑧ ——— Bluetooth antenna socket

- ⑨ ——— RCA input interface
- ⑩ ——— RCA output interface
- ⑪ ——— AUX output interface
- ⑫ ——— 12V to trigger the signal output interface
- ⑬ ——— Power Input Interface (DC 12V)

Operation Steps

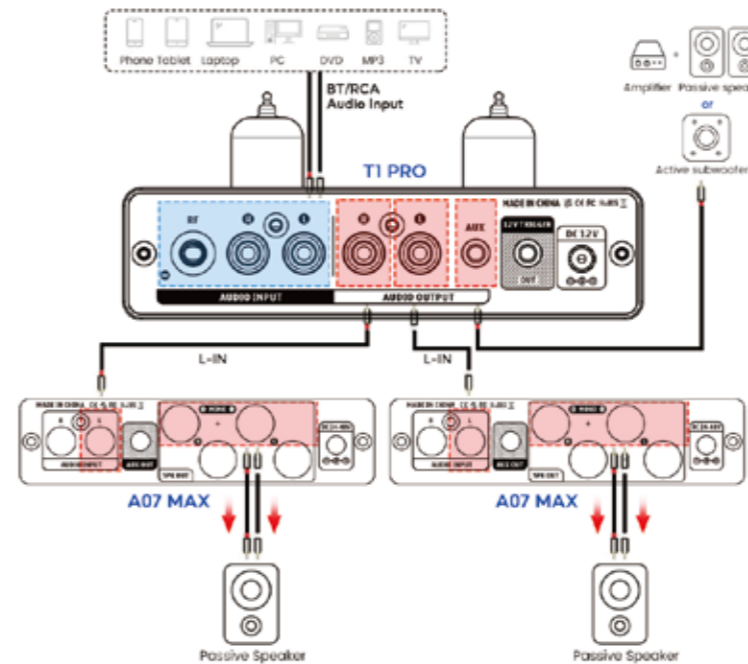
- 1.Insert the matching electronic tube (regardless of left or right) into the electronic tube holder. If the pins of the electronic tube are deformed, they can be corrected by hand.
- 2.Connect the back-end power amplifier to the output interface of the product (RCA or AUX)
- 3.Connect the sound source to be used to the input interface of the product
- 4.Connect the power, switch to the corresponding channel, and rotate the knob to select the desired volume level.
- 5.You can turn the high / bass adjustment function on or off as needed.

Frequency Response

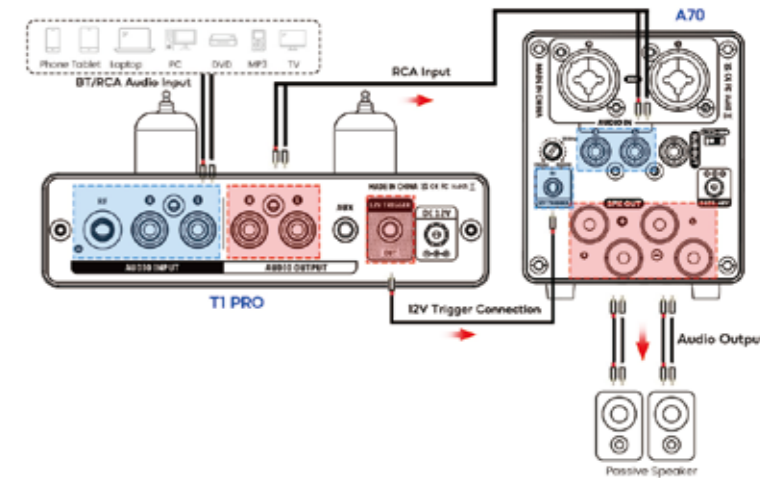


Wiring Connection Method

① 2.0/2.1-CH Output (BT/RCA Input)

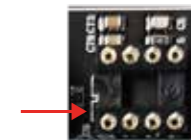


② Bridge Mode (12V Trigger Output)



Steps for Replacing the Op Amp Chip:

1. When replacing the op-amp chip on the PCB, please follow the steps shown in the figure below.
2. Find the U2/U3 position on the PCB. The circled point of the op-amp chip corresponds to the position of U2/U3, do not install it backwards!



PCBA board channel and operational amplifier pin markings



Circular/semi-circular grooves



Number "U2" "U3" marker

Specification parameters:

AUX Rated Output Level	2.5V	Input Sensitivity	1V
Working Voltage	DC12V/1.5A	SNR	≥110dB
Frequency Response	20Hz-20kHz(±0.5dB)	Bluetooth Version	5.1
THD+N	0.2%	Packing Weight	1.5kg
Bass & Treble Range	±6dB	Packaging Size	L250*W220*H60mm

FQA

Q: All my wires are connected, but there is no sound output?

- A: 1. Check if the machine has started and switched to the corresponding input channel.
2. Check the volume, and if it is too small, turn the volume knob and turn it up
3. If all the above are normal, please check whether the input playback device is muted paused, or the volume is at the minimum value.

Q: Why is the sound distorted?

A: The input level may be too high. If the volume of the input device is turned to the maximum, and the volume of the machine is also turned to the maximum, it can easily be distorted. Simply turn down the volume of the sound source input device or machine.

Q: Why does the volume of the machine remain unchanged, and when connected to a different audio source (such as connecting a CD first and then switching to a phone), does the sound level differ?

A: The amplitude of electrical signals output by different playback devices is different. For example, mobile phones are usually 0.35V, while CDs are 1V. The natural sound size is different.

Q: Why does the horn emit a loud electrical current sound or buzzing sound?

A:

1. If you are not using the original standard power supply, please replace the power supply and test again. Many power supplies in the market have interference, which will cause current sound.
2. When the signal line without shielding is used, there will be interference signals entering the power amplifier for amplification. It is recommended that you replace the signal line with shielding.
3. There is still noise after troubleshooting the above two points, Please confirm the noise is from the external or the internal. Disconnect all inputs, only retain the power supply and output cable, if the noise disappears, that means the noise is from the audio input. If the noise is still there, the noise may be caused by interference with the power supply or generated inside the amplifier.

Q: Why is it that when the machine was first purchased, the sound was very hard and the high, medium, and low frequencies were not very clear, but after working for a day, it returned to normal?

A: the electron tube is a sensitive device, the temperature generally must reach a degree to play the best effect, So the general boot preheat about half an hour sound is very natural.

Q: Can I upgrade and replace the electronic tube?

A: Yes, at present we have tested and matched 6K4/6J4/GE5654/6*1N, which can be directly replaced with different tube The sound will be very different.

Q: Can I replace the electronic tube without powering off?

A: No, it is very easy to burn the tube, because the machine is high pressure work, Hot swapping electronic tubes may damage the machine.

Q: Why can't you find Bluetooth, how to switch to Bluetooth?

A: Turn the switch to the Bluetooth (channel (the input channel indicator light flashes alternately), and then the phone opens the Bluetooth to search for "AIYIMA AUDIO", and click the connection to play music.

Q: Why does the Bluetooth playback lag or even disconnect? Why is the Bluetooth background noise/current noise obvious?

A: Please check whether the Bluetooth antenna is installed correctly, whether there is interference or block out (such as WiFi router / wireless telephone / FM radio, etc., since they may be in the same frequency band as Bluetooth, and inductive loads such as fans/refrigerators/air conditioners will also cause some interference), Whether the Bluetooth connection distance is too far away (more than 15 meters).

Q: Can the device be connected to my computer via Bluetooth? Why is there no sound when connected to computer?

A: The compatibility of the computer is not very good than that of the mobile phone, and the operation is more troublesome, and the computer needs to bring Bluetooth function. After connecting, the computer needs to update the driver, and the output device is set to Bluetooth.

Warning

1. Please do not open the shell without permission, Improper operation may cause the danger of electric shock.
2. Please use the power supply of the regular manufacturer, otherwise there will be the risk of damage to the machine.
3. When unplugging the input / output cable, please cut off the power before operation, otherwise the impact sound may damage your speaker.
4. Do not replace the mismatched electronic tube , Otherwise, it may burn out your electronic tubes and machines
5. Do not use the machine under high temperature and humidity.



AIYIMA® AUDIO

Note: The product warranty is 1 year

AIYIMA® AUDIO
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It is forbidden to place equipment waste marked with the symbol of a crossed-out trashbin together with other waste . This equipment is subject to collection and recycling .