AIYIMA® AUDIO

Bluetooth 5.2
2.0/2.1 Channel Amplifier

USER MANUALS

Model: A07 PRO

Shenzhen Yima Technology Co.,Ltd

Website:www.aiyima.com

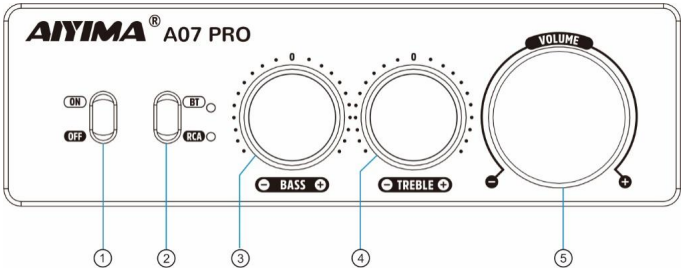
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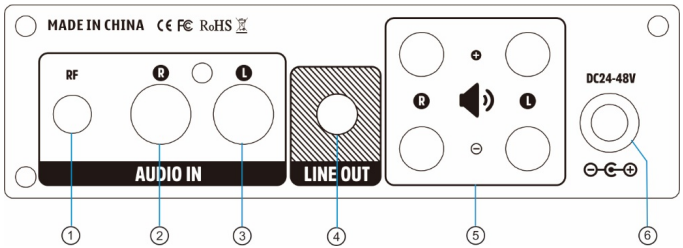
Location: 4F, Building 7 Hekan industrial park. Wuhe south road 41. Long-Gang district.
ShenZhen. CHINA. 518000

Front Panel Description



① ——— Power switch
② ——— Input selector switch； Up: Bluetooth;Down:RCA
③ ——— Bass adjustment knob
④ ——— Treble adjustment knob
⑤ ——— Volume adjustment knob

Rear Panel Introduction



① ——— Bluetooth antenna jack （pls install the bluetooth antenna before use)
② ——— Right channel input jack
③ ——— Left channel input jack
④ ——— Line output jack （Cannot be used for earphones)
⑤ ——— Speaker output jacks （For Passive Speaker)
⑥ ——— Power input jack （Industrial power is not recommended)

Specification

Chips	TAP3255+QCC304X+NE5532
Audio Inputs	RCA or Bluetooth
Bluetooth Audio Codecs	SBC,AAC,APTX,APTX-HD
Bluetooth Version	5.2
Input Sensitivity	0.8V
Maximum Output Power	300W 4Ω 10% THD+N
Speaker Impedance	2-8Ω
Frequency Response	Bass:±12dB Treble： ±9dB
SNR	> 92dB
Input Power Supply Voltage	DC24-48V

A07, A07 Pro, A08 Pro			
Supply Power	Speaker Impedance	Rate Output Power	Max Output Power
24V 5A	4ohm	68W	71W
	8ohm	55W	60W
32V 5A	4ohm	78W	80W
	8ohm	65W	70W
32V 10A	4ohm	170W	177W
	8ohm	100W	105W
36V 6A	4ohm	108W	130W
	8ohm	85W	100W
36V 10A	4ohm	190W	200W
	8ohm	120W	125W
48V 5A	4ohm	130W	160W
	8ohm	100W	120W
48V 7.5A	4ohm	150W	180W
	8ohm	120W	140W
48V 10A	4ohm	250W	300W
	8ohm	180W	190W

FQA

Q: Does the volume knob control the Aux output as well?

A: No,the Aux output is simply a pass-through for the signal.Volume does not to effect the 3.5mm Aux output.

Q: What's the op amp chip type compatible with aiyima a07 pro?

A: A07 Pro Mini Bluetooth amplifier use 5 pcs NE5532 Dual Op Amp Chips,The 4 of the NE5532 Dual Op chips can be replacement to SRT3609SM ,OPA2604 ,OPA2134 ,LM4562 ,JRC5532 , OP275GSZ ,OPA1612AIDR ect Dual Op Amp chips

Q: Why does the amplifier stop working after use a period of time?After a period of time off, it was working again?

A: Normally, in this case, the amplifier is overheat protected, and the output power may have exceeded the designed power,so you can lower the volume a little and try again And check to ensure the output power of the amplifier matches the speakers.

Q: One channel does not work?

A: 1. Check that the positive and negative poles of the speaker do not touch each other.If they are touch together, separate them and turn on again. Then shut down and restart it
2. Please test whether the Bluetooth and RCA input have the same problem first.If the two modes have the same problem, swap the speaker cables of the left and right channels, or change another speaker, and then test whether this channel still does not work;
3. If only RCA or Bluetooth mode does not work, change the audio source,change the RCA cable and test again, and make sure that all the cables are completely pushed into the device
4. Check whether the positive and negative poles of the audio input line or audio input line of the amplifier are inverted.Fix and restart the amp.
5. Check whether the op amp chip inside is loose or detached when it is turned on.There may be loose components on the circuits, do not attempt to repair,contact us for support.

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

A: 1 . Check whether the machine is powered on , If there is no response after startup, you can find a power supply with the same voltage output (must be dc24v-48v) for test.
2. If the startup is normal and there is still no sound, check whether the input and output lines are correctly connected.
3. If the above two points are normal, check whether the playback device of the input sound source is suspended, muted or the volume is at the minimum state.
4. Finally confirm the input mode,please switched the correct input modes according to your connect

Q: why is the sound distorted?

A: the input signal amplitude may be too large. If the volume of the machine is adjusted to the maximum value and the volume of the input source is also adjusted to the maximum value, it is easy to be distorted. At this point, you only need to lower the volume of the input source or machine.

Q: why does the volume of the machine remain the same, but the sound size of different sound sources (such as CD first and then mobile phone) is different?

A: the output signal amplitude is different for different playback devices. For example, mobile phones are usually 0.35v, while CDs are 1V. The size of natural sound is different.

Q: why does the horn make a loud current sound?

A: If you are not using the original standard power supply, please replace the power supply and test again. Many power sources in the market have a large disturbance coefficient, which will cause a large current sound.

Q: why do I not connect the sound source after I plug in the input line, and the speaker will have a great buzz?

A: 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 or unplug the signal line.

Q: Can this machine be connected to a phonograph / record player?

A: At present, this device does not support phonograph/ record player signal input, because the output level of phonograph/ record player is very small, need to add a phonograph amplifier.

Q: why does Bluetooth sound get stuck?

A: when using Bluetooth to test the distance, it is normal that the sound does not get stuck or disconnected within 10 meters without any obstructions.(Note: the router will interfere with the Bluetooth signal. Try not to get close!)

Warning

1. Please do not open the machine shell. Improper operation may cause electric shock hazard.
2. Please use the switching power supply of the regular manufacturer, otherwise there will be the risk of damaging the machine.
3. Please do not operate the machine in high temperature or humid environment.