

**AIYIMA<sup>®</sup> AUDIO**

**2.0 Channel 160W\*2 Amplifier**

USER MANUALS

**Model: A06**

**Shenzhen Yima Technology Co.,Ltd**

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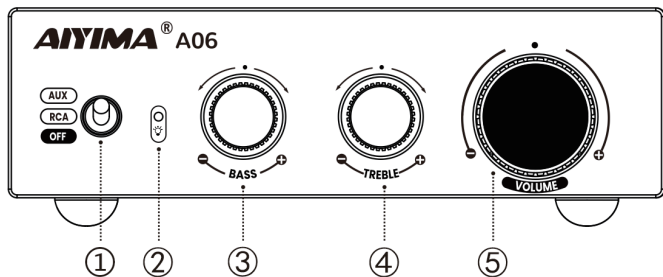
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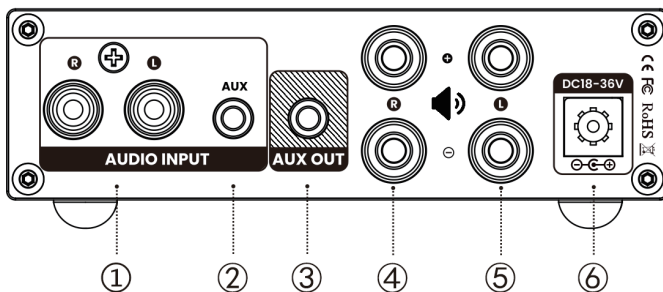
VK: <https://vk.com/aiyima>

## Front Panel Description



- ① ————— Power switch, audio input mode selection.
- ② ————— Power indicator.
- ③ ————— Bass Control (Left bass attenuation, right bass enhancement,  $\pm 6\text{DB}$ .)
- ④ ————— Treble Control ( Left treble attenuation, right treble enhancement,  $\pm 6\text{DB}$ )
- ⑤ ————— Total vol (Turn left to decrease the volume, and turn right to increase the volume.)

## Back Panel Description



- ① ————— RCA audio signal input interface.
- ② ————— 3.5MM audio signal input interface.
- ③ ————— 3.5MM audio signal output interface.
- ④ ————— Right channel output connector.
- ⑤ ————— Left channel output connector.
- ⑥ ————— DC power input interface can be connected to 18-36V DC power supply.

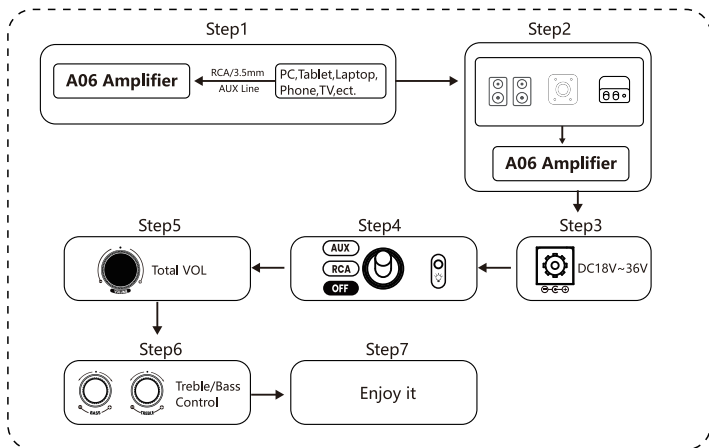
## Features And Functions

- Support RCA audio input
- Support 3.5MM audio input
- Support 3.5MM full-frequency output
- Support high-bass adjustment
- Support replaceable operational amplifier

## Packing List

- |                          |     |
|--------------------------|-----|
| 1. Main engine.....      | 1pc |
| 2. Power adapter.....    | 1pc |
| 3. Operation manual..... | 1pc |

## Quick Setup (RCA/AUX Input Mode)



Step 1: Connect A06 to your PC/mobile phone/tablet/TV and other devices through RCA/3.5mm AUX cable.

Step 2: Connect the passive speaker to the passive speaker output interface of A06 through the audio cable, or connect the active subwoofer or amplifier to the AUX output jack of A06;

Step 3: Connect the power supply to the 18V~36V socket to power on

Step 4: Turn on the power supply and input selection switch, and the input mode indicator light will be on;

Step 5: Adjust the master tone knob to turn up the volume;

Step 6: Adjust the bass and treble knobs to suit your listening style

Step 7: Listen to music

## Specifications

Output Power	160W+160W (4Ω load 36V)	Frequency Response	20Hz-20KHz (±3DB)
Audio Input	3.5MM AUX, RCA	Audio Output	3.5mm AUX, Passive Speaker
Signal-to-noise Ratio	≥ 94dB	Distortion	≤ 0.1% (1KHZ 1W)
Input Sensitivity	0.775V	Sound Channel System	2.0
Speaker Impedance	2-8Ω	Power Input	DC18-36V (5-12A)
Size	134 * 114 * 33mm	Net Weight	505g

## Frequently Asked Questions

**Q: Why does the sound break or only one channel work?**

**Answer:** When the speaker output power exceeds the normal power of amplifier, there will be a sound break. If the speaker power is less than the output power of the amplifier, there will be a large distortion. These can cause damage to components inside the amp.

**Q: Why does only one channel have sound ?**

**Answer:**

1. Check to ensure the output power of the amplifier matches the speakers.
2. Check that the positive and negative poles of the speaker do not contact each other. If they come into contact with each other, separate them and turn on again.
3. 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.
4. 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: Why do passive speakers make a lot of electric noise?**

**Answer:**

1. If you are not using the original factory standard power supply or low quality RCA cables, please replace the power supply and with higher quality RCA cables before testing. Many power supplies in the market have large interference coefficient, which will cause a lot of current sound.
2. If the positive and negative poles cable of the RCA output connecting the power amplifier and the speaker are close together, it will cause noise, and even only one channel will work.

**Q: Why is there interference when playing music?**

**Answer:** If you use unshielded cables, there will be interference signals entering the power amplifier. If you want to eliminate interference, you are advised to use the shielded signal cables or unplug them if not used.

**Q: why does the audio volume of the A06 vary when using different audio sources (such as CD players, Computers and mobile phones)?**

**Answer:**

- 1.The output range of audio source devices is different, the mobile phone is usually 0.35mV,and the CD is 1V.The signal output amplitude of the sound source will directly influence the volume
- 2.The CD quality of sound varies from disc to disc.Some older CDs do not have good audio recording from the 1980s with lower volume levels. The newer CDs have more dynamic range and the amp can pick that up. If you play an old CD discs..

**Q: All cables are correctly connectd, but why is there no sound output?**

**Answer:**

- 1.Check if the A06 POWER indicator is on;  
When the indicator light is still not on after turning on the power, you can use a different power adapter to test again, this can determine if it is the amp or power supply causing the problem.
2. If the indicator light is on, check whether the vOL knob is in the minirnum position. If so, turn clockwise to normal Volume.
3. If both of the above are normal check the input device if it is paused, mute, or the volume is in off position.

**Q: why does the amplifier stop working after a period of time?**

**Answer:**

- 1.Normally in this case, the amplifier is overheat protected, and the output power may have exceeded the designed power specifications.
- 2.Check whether your speaker power matches our A06 power under this power supply.  
Excessive or low power can make the power amplifier malfunction.  
The best match is 1.2-1.5:1 between the power amplifier and the speaker(that is, the speaker power is 50w, then the power amplifier power is 60W-75W)  
To choose the right adapter look at your speaker specifications then use our table provided in the product description to see what adapter and speaker your need to match our A06.  
Thanks!

## Warning

1. Do not open the shell without permission. Improper operation may cause electric shock.
2. Please use the regular manufacturer's switching power supply, otherwise there will be the risk of damage to the machine.
3. Do not place the machine in a high temperature and humidity environment.