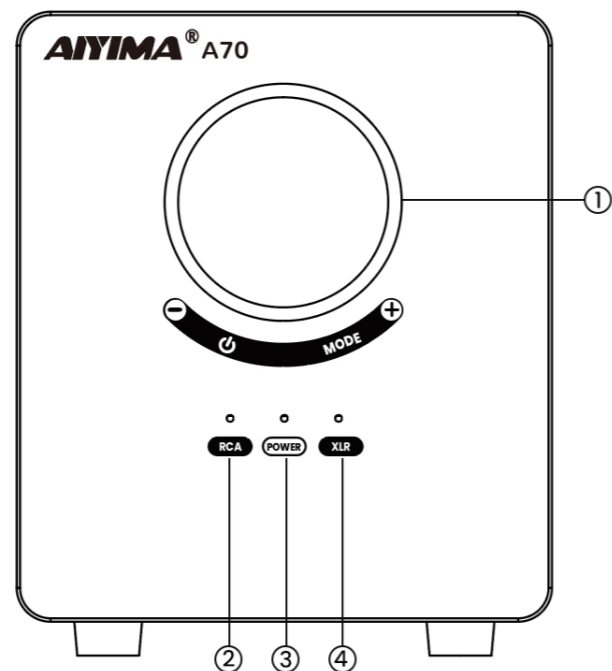


# AIYIMA® AUDIO

## 2.0/2.1 Channel Power Amplifier USER MANUALS

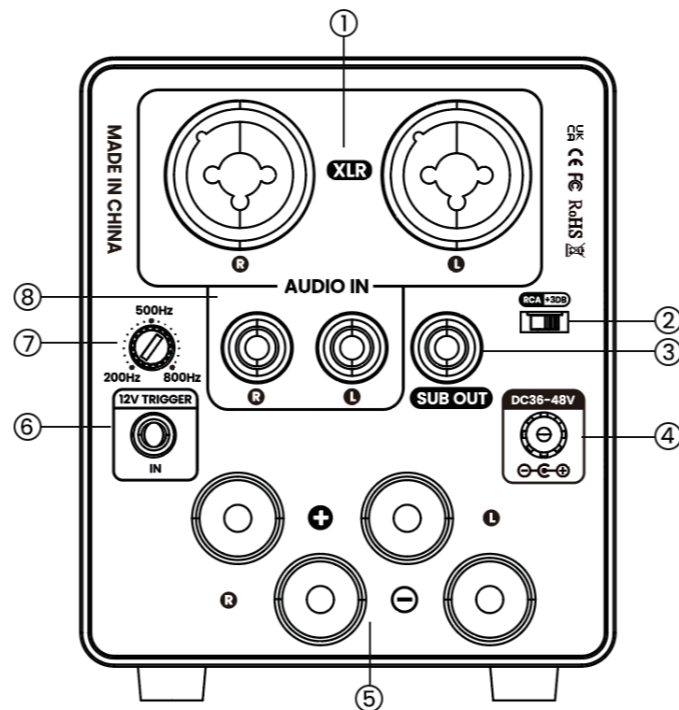
Model: A70

### Front Panel Function Description



- ① Power Switch/Total Volume Control/ Input Mode
- ② RCA mode indicator light
- ③ Power indicator light
- ④ XLR mode indicator light

### Rear Panel Function Description

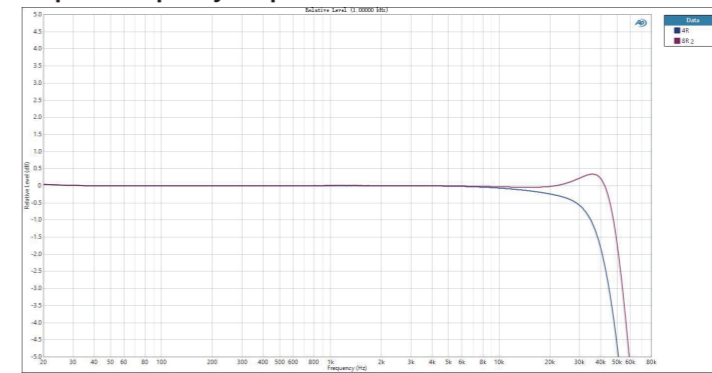


- ① XLR input interface
- ② RCA gain switch(+3db)
- ③ Subwoofer output interface
- ④ Power input interface(DC36V~48V)
- ⑤ Audio output interface(Passive Speaker)
- ⑥ 12V Trigger
- ⑦ Subwoofer frequency regulation(200Hz~800Hz)
- ⑧ RCA input interface

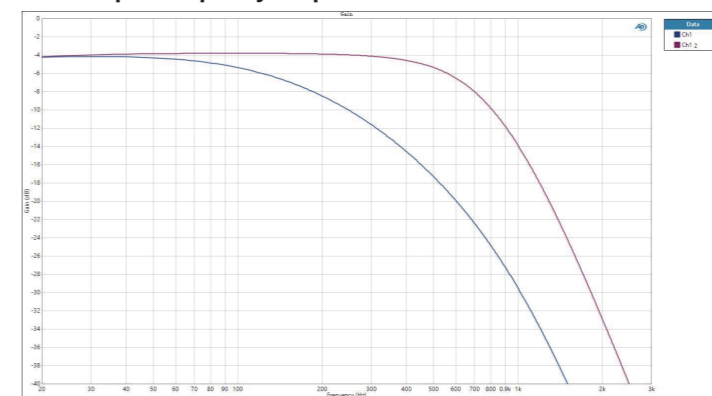
### Operation Steps

1. Connect the passive speaker to the speaker interface.
2. Connect the audio source to be used to the RCA/XLR input port.
3. Connect the power supply (DC voltage range: 36-48V).
4. Switch the RCA/XLR mode switch on the machine knob and select the desired mode
5. Turn the on/off knob clockwise to start the machine and adjust to the appropriate volume.

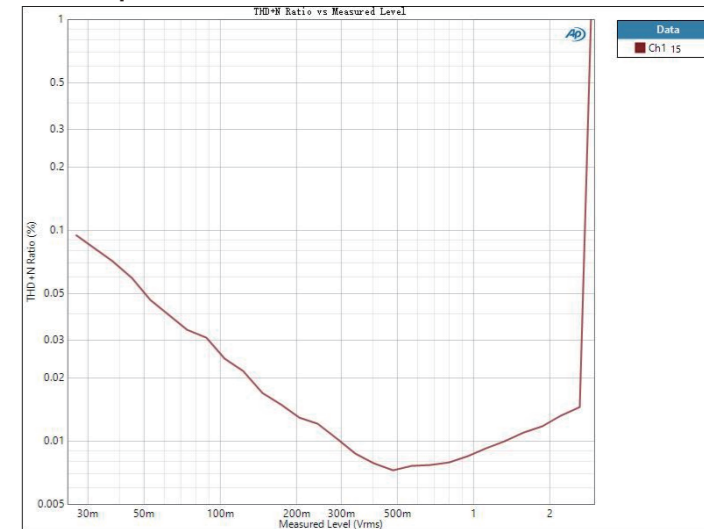
### Amplifier Frequency Response:



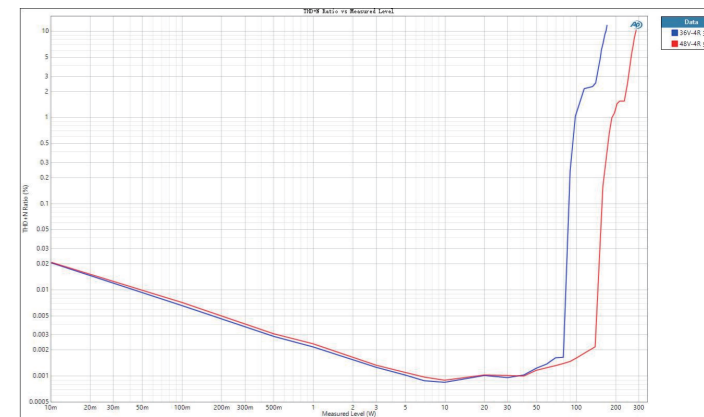
### Bass Output Frequency Response:



### Bass Output Level:



### THD+N:

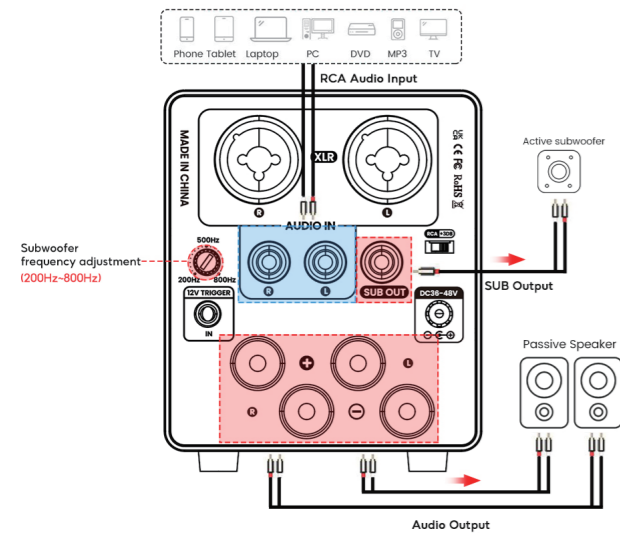


## Audio Parameters:

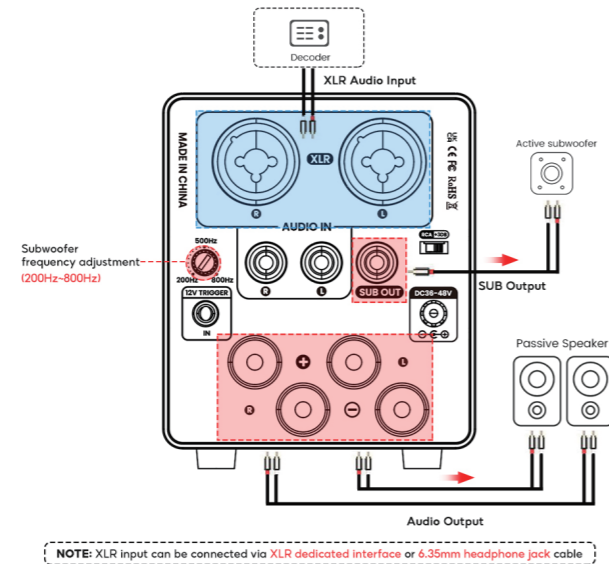
Project	Load conditions	Output power(1% THD+N)	Output power(10% THD+N)
36V Output Power	RL = 4Ω	100W	175W
	RL = 8Ω	55W	90W
48V Output Power	RL = 4Ω	185W	280W (MAX 300W)
	RL = 8Ω	105W	175W
1% SNR (48V)	RL = 4Ω/8Ω	116dB	
1% SNR (36V)	RL = 4Ω/8Ω	114dB	
Frequency Response	20Hz - 20kHz	5W	+/-1dB

## Connection Diagram:

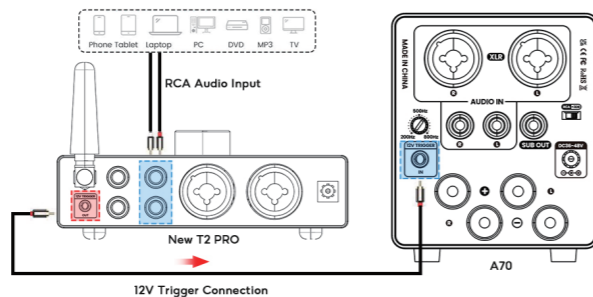
### 1 2.0/2.1-CH Output (RCA Input)



### 2 2.0/2.1-CH Output (XLR Input)



### 3 Bridge Mode(12V Trigger Input)



## Frequently Asked Questions

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

- A: 1. Check if the machine has started and if the indicator light is on.  
2. Is the selection of mono/stereo mode and the connection of the speaker interface correct.  
3. If the above two points are normal, check whether the playback device of the input sound source is paused, muted, or the volume is at the minimum.

### Q: Why is the sound distorted?

- A: The input level may be too large. If the volume of the sound source equipment is adjusted to the maximum, and the volume of the machine is also adjusted to the maximum, it is easy to be distorted. At this time, turn down the volume of the sound source input device or machine.

### Q: Why does the volume of the machine remain the same, but the sound level is different when connecting to different audio sources (for example, connect a CD first, then a mobile phone)?

- 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 there is no sound or very little sound after the amplifier is connected to the speaker?

- A: 1. Please check the audio source has been turned on and the volume is not at the minimum.  
2. Please confirm whether the speaker and amplifier match ( For example, the speaker is fixed resistance or fixed voltage, the power of speaker is too much over the power of the amplifier etc).

### Q: Why is there a thumping sound when switching on/off?

- A: Please confirm the on-off sequence is correct, normally it follows the order of signal transmission when turn on: audio source → preamp / DAC → amplifier → speaker. (The sequence is reversed when switching off. As the internal capacitors will be discharged for a while after shutdown. If turn off the preamp firstly and then turn off amplifier, impact sound will be easily caused which may damage the amplifier or speaker in severe cases).

## 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 it will damage the machine.
3. Please do not use the machine in a high temperature and humidity environment.

## Product Warranty

If you have any questions about the goods you received, please contact us online within 48 hours Customer service. If the product has quality problems and needs to be repaired or returned, please fill in this card truthfully.

Username: \_\_\_\_\_

Contact number: \_\_\_\_\_

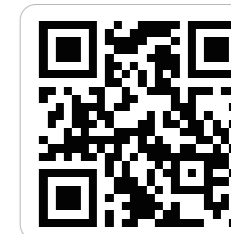
Date of purchase: \_\_\_\_\_

Product number: \_\_\_\_\_

Maintenance failure: \_\_\_\_\_

Note: The product warranty is 1 year

**AIYIMA® AUDIO**  
Shenzhen Yima Technology Co.,Ltd



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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.