

AIYIMA[®] AUDIO

**Bluetooth 5.0
2.0/2.1-Channel Amplifier**
USER MANUALS

Model: D03

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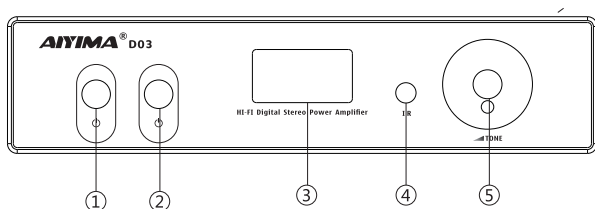
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Location: 4F, Building 7 Hekan industrial park. Wuhe south road 41. Long-Gang district.

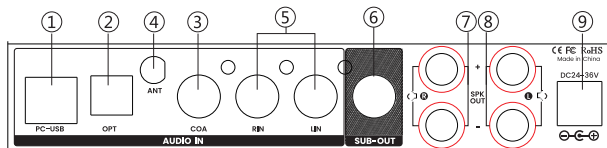
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Front Panel Introduction



- 1 — Power
- 2 — Input selection
- 3 — Display
- 4 — IR
- 5 — Multifunction knob

Rear Panel Introduction



- 1 — PC-USB input jack
- 2 — Optical input jack
- 3 — Coaxial input jack
- 4 — Bluetooth antenna jack
- 5 — RCA input jacks
- 6 — Subwoofer output jack
- 7 — Right speaker output jacks
- 8 — Left speaker output jacks
- 9 — DC Power Supply jack

Specifications

CHIPS	CS8422,TAS5548,TAS5624, PCM1808,QCC3034....
Audio input	PC-USB,Optical,Coaxial,RCA,BT
Bluetooth supports	SBC,AAC,APTX,APTX-II,APTX-HD
PC-USB/Optical/Coaxial Resolution/Sampling rate	Max 24bit/192kHz
PC-USB Operating System	Windows 7 / 8 / 8.1 / 10 /MAC/Linux
Frequency response (Treble&Bass gain=0dB)	+0db,-1.25dB @20-20kHz
TONE Gain (Treble&Bass)	±14dB
SNR	93dB
Subwoofer output level	2.1V
Output Power max	150Wx2@4Ω 36v , 6% THD+N
Speaker impedance	4-8Ω
Power Supply	DC 24-36V
Dimensions (mm) / Weight(g)	151*37*141/690

Product Question

1. Amplifier board has current sound and noise .

Most of our amplifier board use DC power supply. The board itself does not produce current sound and noise.

The main causes of current acoustic noise are:

A, The power supply filter used is not good; the current sound is caused by wrong

input by the power or audio input.

B, The input signal quality is poor; the output of the device connected to the input is improper, and the noise is caused by the abnormal input of the audio source.

C, The input cable is of poor quality; the line is in poor connect; the wiring is damaged; the wiring is suspended

D, The input connection has other playback devices, and some devices share the power supply to cause noise.

2. No sound output, no sound in 1 channel

A, The speaker is broken, or the speaker cable is not connect well.

B, The input cable is not in good connect; the wiring is damaged; the output of the device connected to the input is improper.

3. Volume broken and breaking sound when turn loud?

A, The power input is insufficient, confirm the wiring is correct first, and the supply current is sufficient,

B, The speaker itself has poor performance or damage, and the speaker power is too small or too large.

C, left and right channel speakers (+) (-) output are independent, can not be connected to each other

4. Speaker broken sound when subwoofer amplifier volume turn loud ?

A, The power input is insufficient, first confirm the wiring is correct, the supply current is enough

B, Whether the power of the speaker itself is too large or too small, or the bass performance of the speaker itself is poor; the structure of the speaker box; these abnormalities will cause breaks.

5, The volume power is not enough?

Power and power supply voltage, the amplitude of the sound source signal, the size of the speaker impedance are all related, any kind of deficiency will affect the power

6. Will the amplifier be burnt?

A, The positive and negative poles of the power supply are connected reversely; the power supply voltage is too high, exceeding the limit operating voltage of the board

B. If the board requires a DC power supply, it is not allowed to connect directly the AC transformer power supply (this can be rectified and converted to DC power before it can be used)

C. To confirm that the wiring is correct, then connect with the power supply. The wrong line connected or the short circuit both will cause damage to key parts!