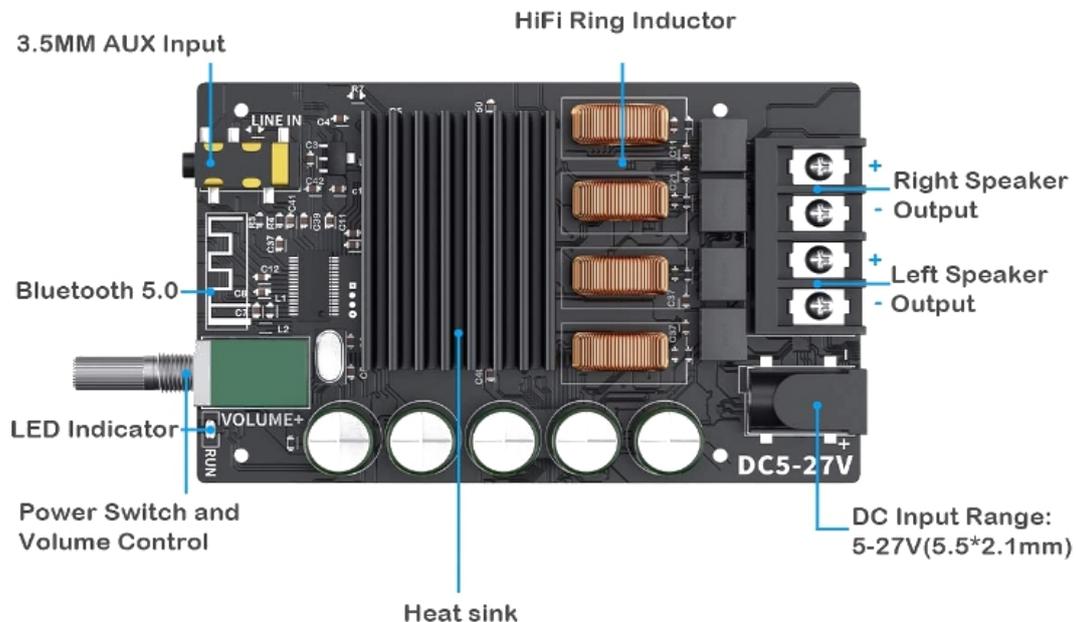


## INTRODUCTION

Does sound quality matter to you? If Yes, then come to take a look at this HiFi Bluetooth Power Amplifier board! With AM interference suppression and filtering function, the board THD can be as low as 0.1% even when working for a long time at large power output, while bringing you very round and clear sound. It features 100W output power, volume adjustment knob, AUX+Bluetooth 5.0 input, dual-channel output, and DC5-27V operating voltage. This Bluetooth Power Amplifier board works well with 4~8Ω, 50W-300W passive speakers. You can connect it to Raspberry Pi, mobile phones, and other main-controllers with Bluetooth to DIY your projects.

This Bluetooth board has 5 quality 470uf capacitors that bring you stable output; The board also comes with a heat sink and adopts an excellent power module. The board includes bottom/top protective panels and supports protection mechanisms including overvoltage, undervoltage, overheating, short circuit protection, and DC detection.



## Operation Instruction

Connect the board with a speaker, power it on. Rotate the knob then the indicator led lights up. Turn on the Bluetooth of your phone or Raspberry Pi, the "BT-WUZHI" will be searched, and then click to connect it. It connects successfully with a prompt tone, and now it can play music. The Bluetooth will be reconnected automatically when the module is powered on next time.

## Note

The board will output adequate power only when the audio input and power source voltage/current are sufficient. The higher the power supply voltage, the larger the output

power. Besides that, speaker impedance also changes the amplifier board power output. Please note that in the case of enough voltage and current, the larger the speaker impedance in ohms, the smaller the output power.

## **SPECIFICATION**

Power Supply: 5-27V

Input: AUX+Bluetooth 5.0

Audio Quality: HIFI

Output Power: 100W\*2

Compatible Speaker: 50W-300W, 4Ω-8Ω

Channel: left/right channel (Stereo)

Bluetooth Transmission Distance: 15m (Without any obstacle)

Protection Mechanism: overvoltage, undervoltage, overheating, short circuit protection, and DC detection

Power Voltage:

12V----8Ω Speaker/24W(left channel)+24W(right channel), 4Ω Speaker/40W+40W

15V----8Ω/32W+32W, 4Ω/>360W+60W

19V----8Ω/64W+64W, 4Ω/>92W+92W

24V----8Ω/76W+76W, 4Ω/>110W+110W

## **SHIPPING LIST**

- HIFI Digital Bluetooth Amplifier-100W\*2 x1
- Acrylic Protective Case x2
- Screwdriver x1
- 20cm Power Wire x1
- Knob x1
- Heat Sink x1
- Accessories Package x1