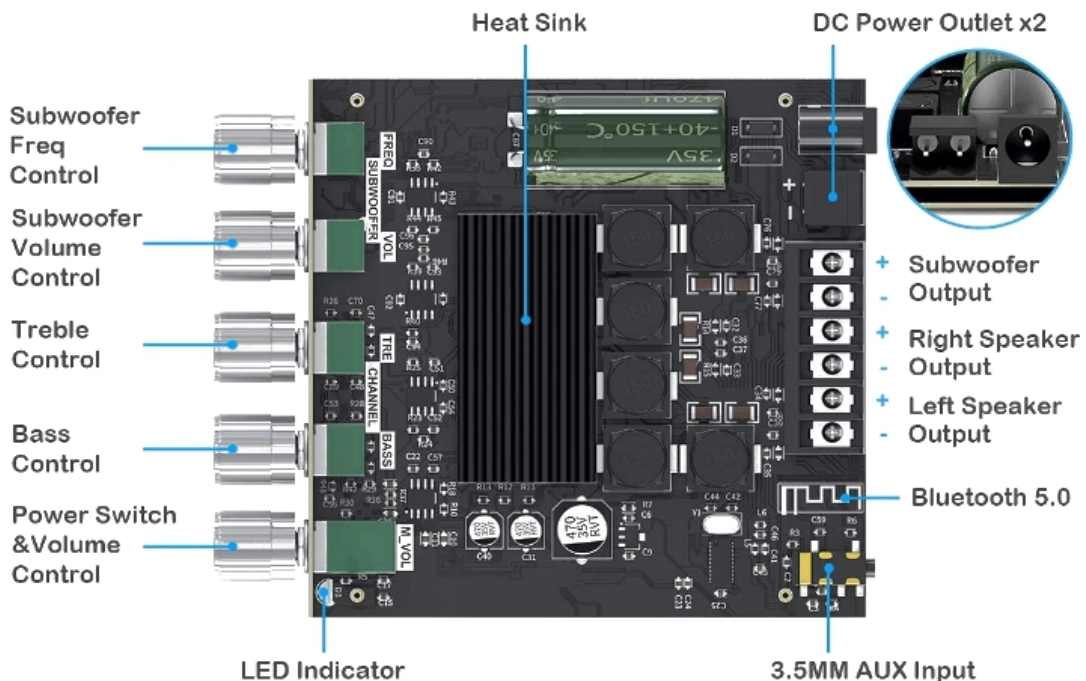


## INTRODUCTION

Make a subwoofer speaker with this bass & treble control Bluetooth Amplifier to enjoy the cinema-style acoustics in the home!

Integrated with 3 output channels, this powerful Bluetooth Amplifier has AM interference and filtering function that makes the board THD as low as 0.1% even when working for a long time at large power output, while bringing you clear and round sound. The board features DC12~24V power supply, AUX+Bluetooth 5.0 audio input, 50W output of left/right channel, and 100W subwoofer output. It has 5 adjustable knobs that are used to power on/off and control main volume, bass and treble of left and right channel, subwoofer frequency, and volume. This product works well with 4-8Ω, 20W-100W passive speakers. You can connect it to Raspberry Pi, mobile phones, and other main-controllers with Bluetooth to DIY your projects.

The Bluetooth Amplifier board comes with bottom/top protective panels and supports protection mechanisms including over-voltage, under-voltage, overheating, short-circuit protection, and DC detection.



## Operation Instruction

Connect the board with a speaker, power it on. Rotate the main volume knob then the indicator LED lights up. Turn on the Bluetooth of your phone or Raspberry Pi, the “BT-WUZH1” will be searched, and then click to connect it. It connects successfully with a ding-dong tone, and now it can play music. The Bluetooth will be connected automatically when the module is powered on next time.

## Note

1.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.

2. When adjusting treble and bass sound: when the TRBLE or BASS sounds are right-rotated to near maximum, if the sound is distorted, it means that the gain of the Bass/Treble sound is too large. Now you have to turn the TRBLE or BASS knob to the left to lower the gain or rotate the MAIN-VOLUME Knob on the right to the left to reduce the overall volume.

### **SPECIFICATION**

Power Supply: 12-24V/2-5A above (Select according to speaker parameter, the higher the voltage, the larger the output power)

Input: AUX+Bluetooth 5.0

Output Power: L/R Channel  $\leq 50W \times 2$ , subwoofer  $\leq 100W$

Compatible Speakers: 20W-100W, 4 $\Omega$ -8 $\Omega$

Channel: left/right channel (stereo), subwoofer

Bluetooth Transmission Distance: 10m (Without any obstacle)

Protection Mechanism: over-voltage, under-voltage, overheating, short-circuit protection and DC detection

### **SHIPPING LIST**

- Bass Treble Bluetooth Amplifier-50W\*2+100W x1
- Acrylic Protective Case x2
- Screwdriver x1
- Knob x5
- Accessories Package x1
- Large Heat Sink x1