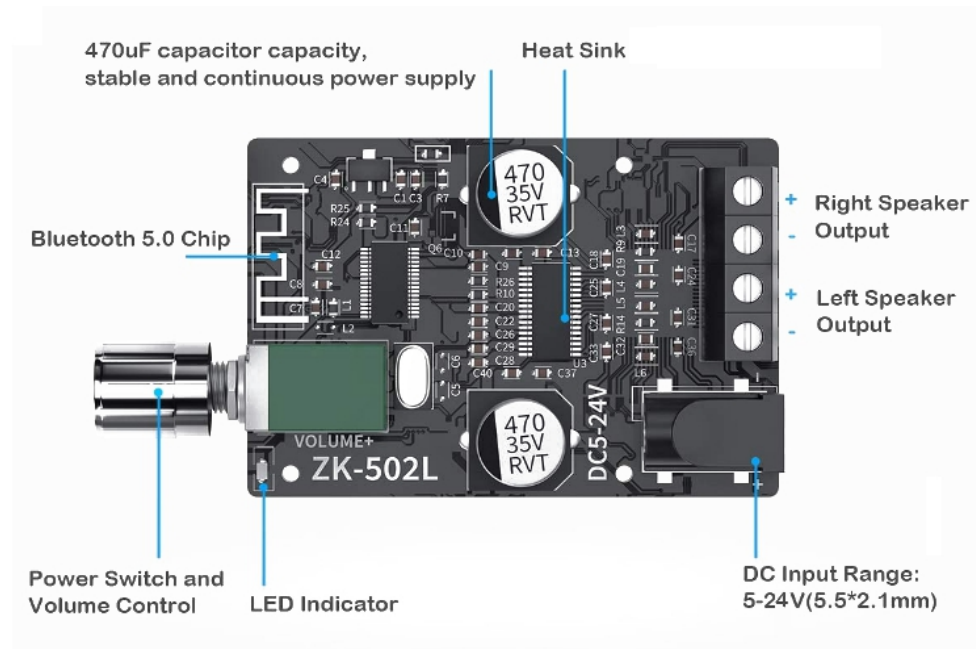# INTRODUCTION

This mini Bluetooth Amplifier can be connected to your mobile phone, Raspberry Pi, and other main-boards with Bluetooth to DIY your unique speaker! With standard audio quality, the cost-effective amplifier offers 50W output power, volume adjustable knob, Bluetooth 5.0 input, and dual-channel output. It can be powered at DC 5~24V, and compatible with 4-8Ω, 30W-200W passive speakers.

The Bluetooth Amplifier comes with bottom/top protective covers and supports overheat and short-circuit protection.

Operation Instruction

Connect the board with a speaker, power it on. Rotate the volume 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 ding-dong tone, and now it can play music. The Bluetooth will be connected 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: 5-24V
Input: Bluetooth 5.0

Audio Quality: standard

Output Power: 50W*2

Compatible Speakers: 30W-200W, 4Ω-8Ω

Channel: left/right (stereo)

Bluetooth Transmission Distance: 15m(Without any obstacle)

Protection: overheat, short-circuit

Power Voltage:

12V--8Ω Speaker/12W(left)+12W(right), 4Ω Speaker/20W+20W

15V----8Ω/18W+18W，4Ω/>30W+30W

19V----8Ω/32W+32W，4Ω/>45W+45W

24V----8Ω/38W+38W，4Ω/>50W+50W

SHIPPING LIST

· Mini Digital Bluetooth Amplifier-50W*2 x1
· Acrylic Protective Case x2
· Screwdriver x1
· 20cm Power Wire x1
· Knob x1
· Accessories Package x1
· Heat Sink x1