

High Power Bluetooth Power Amplifier Board

DFR0777

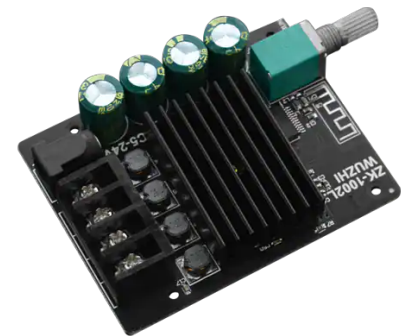
Product Overview

07-27-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot High Power Bluetooth Power Amplifier Board is a cost-effective high-power Bluetooth amplifier board that features 100W output power. The board has a volume control button, Bluetooth 5.0 input, and dual-track output. The power amplifier board operates at 5V to 24VDC and is compatible with 4Ω to 8Ω 50W to 300W passive speakers. Connect it to a Raspberry Pi, mobile phones, and other main controllers with Bluetooth.



This Bluetooth board has four quality 470uF capacitors that produce stable output; The board also comes with a heat sink and adopts an excellent power module, allowing it to work steadily under a long time of high output. Apart from that, the board includes bottom/top protective panels and supports auto overheat protection and auto short circuit protection.

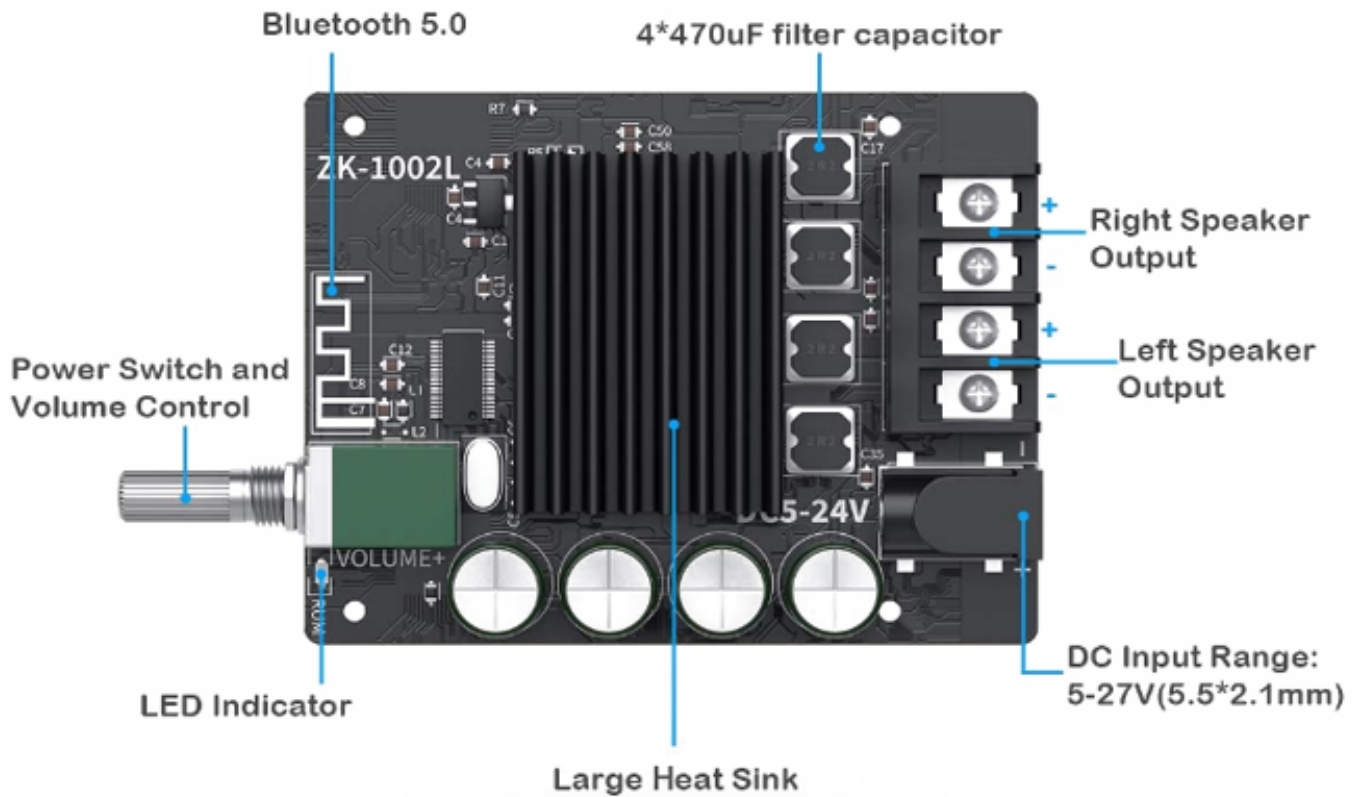
Features

- Bluetooth version 5.0
- 15m Bluetooth transmission distance (without any obstacle)
- Auto overheat protection and auto short circuit protection
- Power source voltage:
 - 12V--8Ω speaker/24W (left channel) +24W (right channel), 4Ω speaker/40W+40W
 - 15V--8Ω/32W+32W, 4Ω/>60W+60W
 - 19V--8Ω/64W+64W, 4Ω/>80W+80W
 - 24V--8Ω/72W+72W, 4Ω/>100W+100W

Specifications

- 5V to 24V supply voltage
- 2x 100W output power
- 50W to 300W, 4Ω to 8Ω compatible speakers
- Left/right sound channel (stereo audio)

Board Overview



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-high-power-amplifier-board/>