

HIFI Digital Bluetooth Amplifier

DFR0803

Product Overview

01/25/2023

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

Description

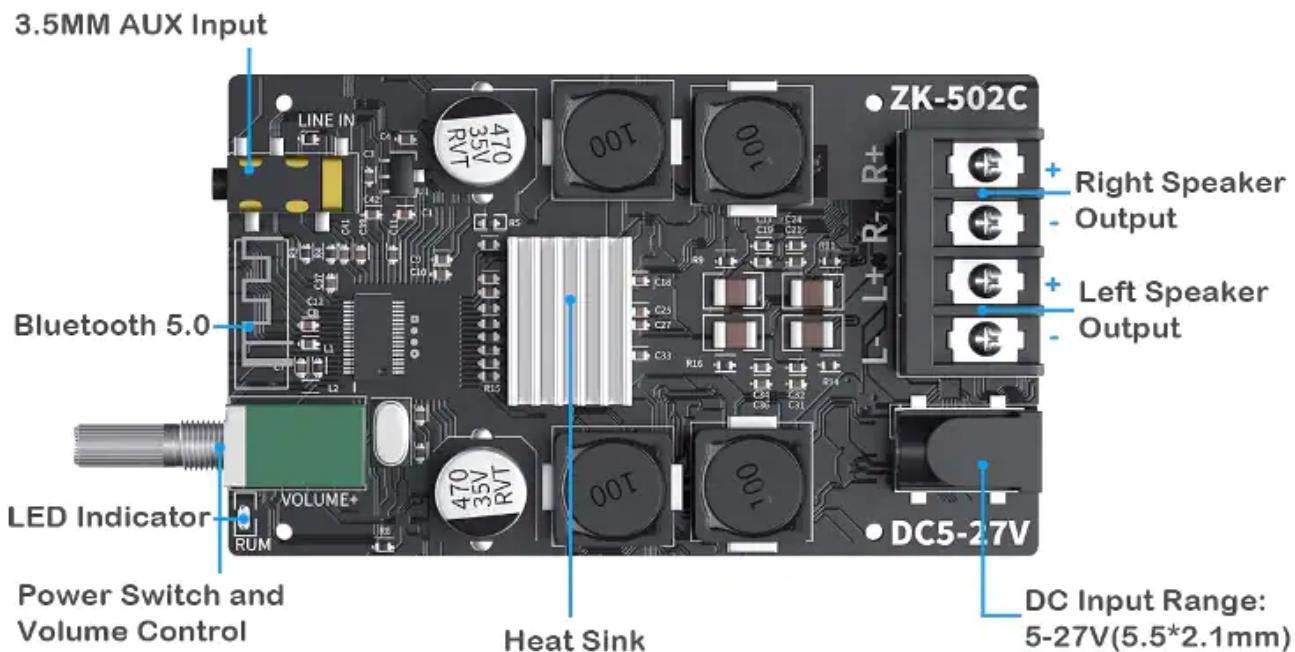
DFRobot HIFI Digital Bluetooth Amplifier features AM interference suppression and filtering function. This amplifier offers low THD of 0.1% while working for a long-time at large power output. The HIFI digital Bluetooth amplifier also features 50W output power, volume adjustment knob, AUX+Bluetooth 5.0 input, dual-channel output, and DC5-27V operating voltage. This amplifier comes with bottom/top protective panels and supports protection mechanisms including overvoltage, undervoltage, overheating, short circuit protection, and DC detection. The Bluetooth amplifier board can connect to Raspberry Pi, mobile phones, and other main controllers with Bluetooth to DIY projects.



Features

- 5V to 27V power supply voltage range
- AUX+Bluetooth® 5.0 input
- HIFI air quality
- 2x 50W output power
- 30W to 200W, 4Ω-8Ω compatible speaker
- Left/right channel (stereo)
- 15m (without any obstacle) Bluetooth® transmission distance
- Ovvoltage, undervoltage, overheating, short circuit protection, and DC detection protection mechanism
- 82mm x 50mm x 18mm dimensions
- Power voltage:
 - 12V-8Ω speaker/12W (left channel)+12W (right channel), and 4Ω speaker/20W+20W
 - 15V-8Ω/18W+18W, 4Ω/30W+30W
 - 19V-8Ω/32W+32W, 4Ω/45W+45W
 - 24V-8Ω/38W+38W, 4Ω/55W+55W

Overview Image



Mouser Part Number

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To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-dfr0803-hifi-amplifier-module/>