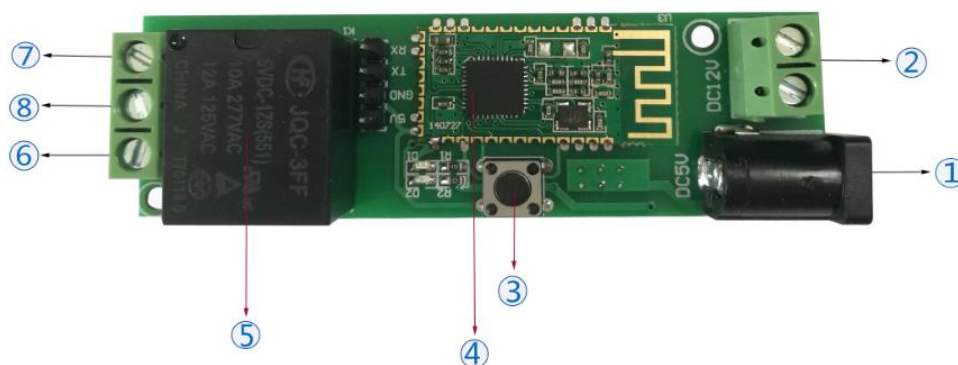# DSD TECH Bluetooth 4.0 Relay Module

User Manual

Thanks for choosing **DSD TECH** !

Please read this user's manual carefully before using it!
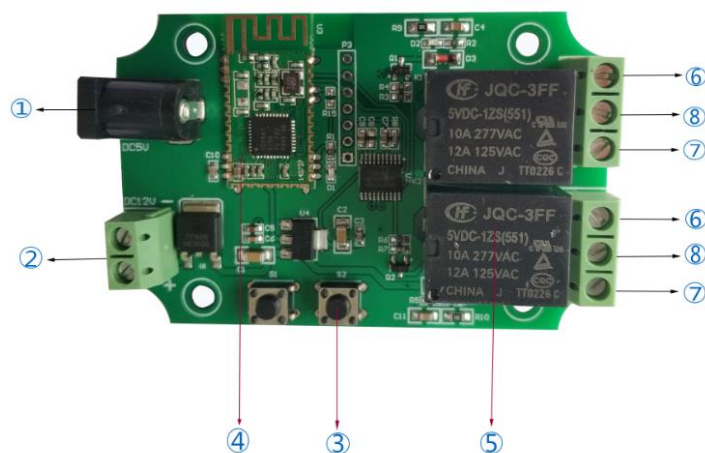
Product Introduction

This is a Bluetooth relay that uses Bluetooth 4.0 low-power technology. Compared to the Bluetooth 2.0 version, this Bluetooth relay supports both iOS and Android systems. With this Bluetooth relay you can use your phone directly to control the switching of various appliances.
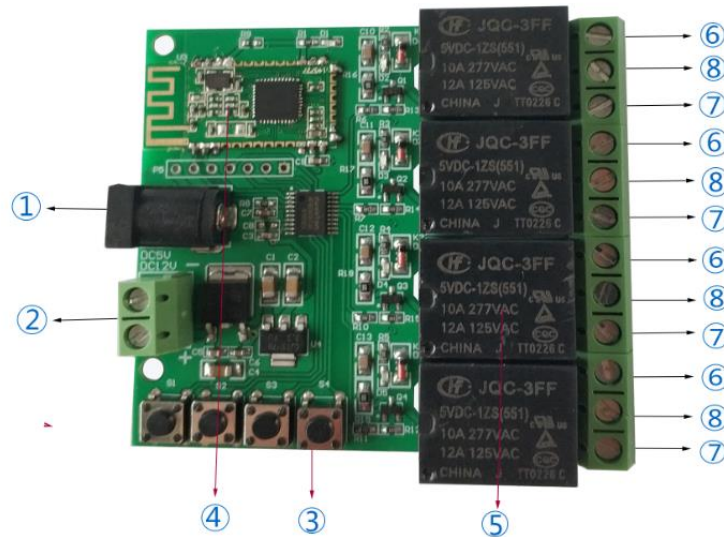
Name of each part

Model: SH-BT01A

ASIN: B07BSNZQ3H

Model: SH-BT02A

ASIN: B07CZGCX9W

DSD TECH Bluetooth 4.0 Relay Module

Model: SH-BT04A
ASIN: B07GFJWWTK

① 5V power supply interface.(Note: This product is compatible with 5V and 12V voltage input.)

② 12V power supply interface.

③ Switch button：With this button, you can manually switch the switching state of the relay at any time.

④ SH-HC-08 Bluetooth 4.0 Module.

⑤ 5V Relay: 10A 277VAC / 7A 250VDC

⑥ NC: Normal Close

⑦ NO: Normal Open

⑧ COM: Common interface

Specifications

1.Built-in SH-HC-08 Bluetooth 4.0 BLE module supports iOS devices and Android 4.3 and later devices.

2.Equipped with 5V, 10 A / 277 V AC; 7A / 250 VDC relay, the relay has long service life and can absorb 100,000 times continuously.

3.Compatible with 5V and 12V supply voltage.

4.Diode-protected modules have a short response time.

5.Bluetooth status indicator (Flash not connected, always on after connection) and relay status indicator.

6.Control distance up to 10m (open space environment)

7.Follow the Bluetooth 4.0 specification

8.Module operating voltage(VCC):DC 5V/12V

9.Built-in switch button.
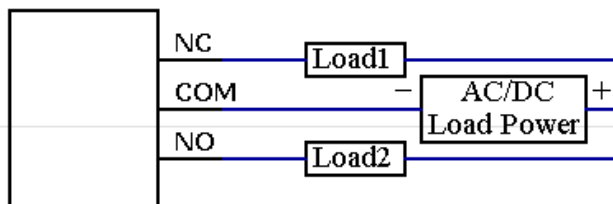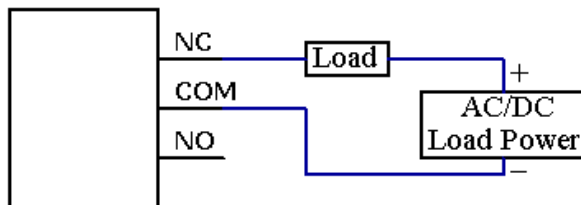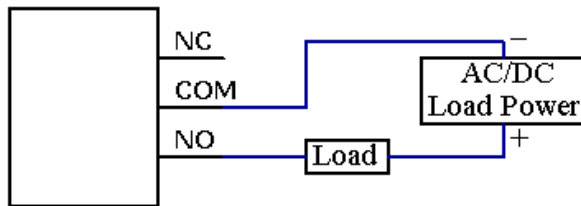
10.Switching control maximum voltage: AC 277 v

Precautions

a) Only supports devices with iOS 7.0 or higher and Android 4.3 or higher, and is not compatible with any Bluetooth 2.0 device.

b) Tips for incompatibility with some Android phones: There are some incompatibilities with some Android phones. In this case, please change your phone and try again, or contact the DSD TECH team to change to the Bluetooth 2.0 version relay.

c) The APP provided by DSD TECH is not perfect. If there is a problem with your app, please close it and reconnect.

d) This Relay is compatible with 5V and 12V voltage input, you can choose to power it 5V or 12V. butconnecting the 12V voltage to the 5V DC port will damage the product.

e) the maximum load power should not exceed 800W. The relay may be damaged when the load exceeds 800W.

f) This Bluetooth relay uses the Bluetooth 4.0 BLE protocol. The encrypted connection is not enabled. It is not applicable to applications that require data security.

Wiring diagram

About the APP

For Android Devices : Please Search "DSD TECH Bluetooth" in the Google Play.

For iOS Devices (iPhone or iPad):Please search "DSD TECH Bluetooth" in the Apple   Appstore. For more information, please visit the following website:

http://www.dsdtech-global.com/2018/04/bluetooth-relay-module.html

Control instructions (Hexadecimal format) for Developer

Channel 1 ON: A00101A2	Channel 1 OFF: A00100A1
Channel 2 ON: A00201A3	Channel 2 OFF: A00200A2
Channel 3 ON: A00301A4	Channel 3 OFF: A00300A3
Channel 4 ON: A00401A5	Channel 4 OFF: A00400A4

Warranty

DSD TECH provide 12-month Warranty and Lifetime Technical Support.

About DSD TECH

DSD TECH is a team in Shenzhen, China. We have more than 5 years of experience in the design, development

and production of electronic products.

If you have product ideas to achieve, or you need to find a reliable partner to produce and develop your hardware.

Welcome to contact us. The following is our commitment:

1, Low cost and High quality

2, Fast delivery

3, Customized and developed according to your needs

4, Protect your intellectual property rights

Contact US

Any question ,Please contact us!

Support Email : dsdtech@163.com

Sales Email: eric_zhou@deshide.com

Website: http://www.dsdtech-global.com/