

If you purchased our Raspberry Pi TrikeBot car, you need to perform the following steps:

Step 1: After the TrikeBot car is assembled, you will need to download the Raspberry Pi image we provided.

For the method of downloading the image, please click the location as shown in the figure below, and read the contents carefully.

Welcome to Raspberry Pi TrikeBot car repository

### 3.0 Preparation before class

If you need to download the Raspberry Pi image we have provided, please follow the steps below to find the image.

Please click "Download ZIP" to enter Google Drive.

**Raspberry Pi TrikeBot car**

- 1. Remote control operation
- 2. Development environment
- 3. Experimental tutorial
- 3.0 Preparation before class
- 3.1 whistle
- 3.2 ColorLED
- 3.3 advance
- 3.4 direction\_control
- 3.5 drifting
- 3.6 tracking

Step 2: You need to burn the image to the Raspberry Pi SD card.

For the method of burning the image, please click the location as shown in the figure below, and read the contents carefully.

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### 2.1 Download and write system image

The following steps will teach you how to download and write the Raspberry Pi system image

**1. Start up mode of Raspberry Pi and system image**

Raspberry Pi board without on-board FLASH. It supports SD card boot, we to download the corresponding system image, and burn it on the SD. When Raspberry Pi is connected to the power supply, the system can be started. system image include: bootloader, kernel, file system).

- 3.Experimental tutorial ▾
- 4.Battery and charging ▾

#### Download

APP

Code

SCH

Tools

[Download ZIP](#)

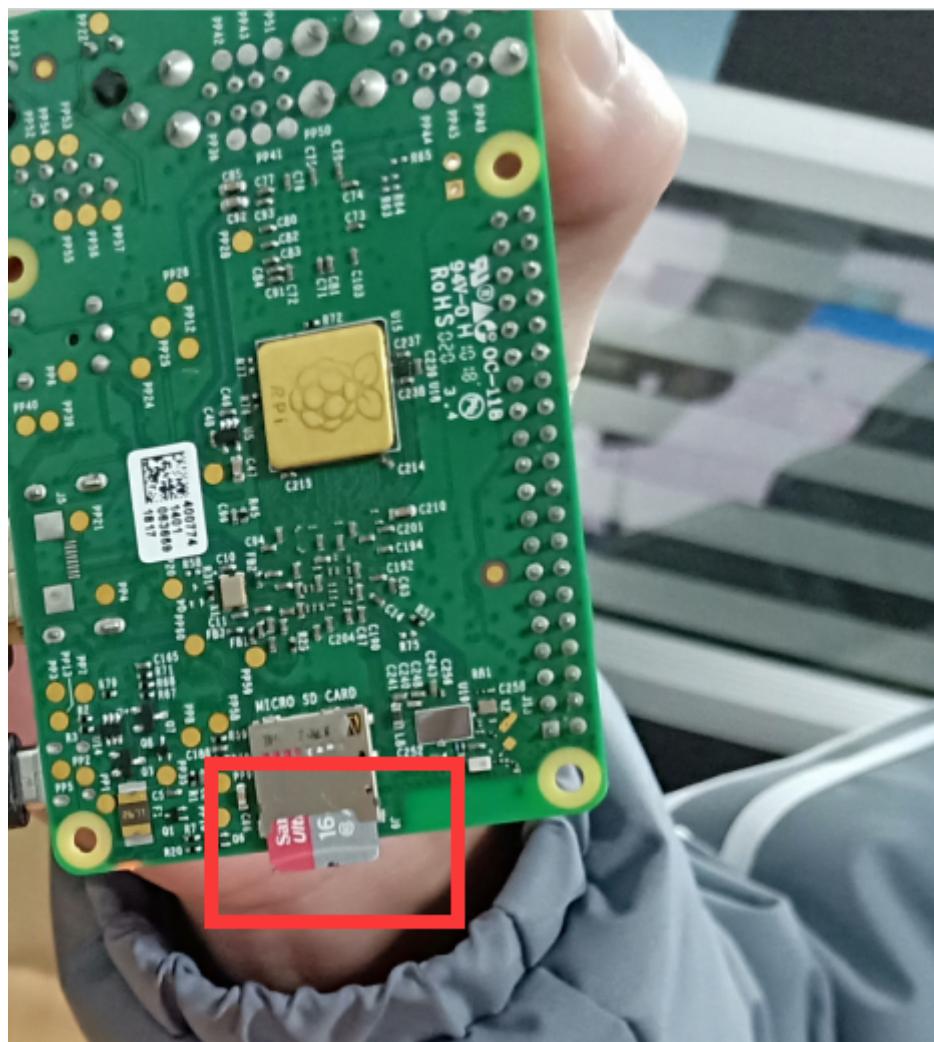
You can click here to get Tools folder

[Download address:](#)

<http://www.raspberrypi.org/downloads>

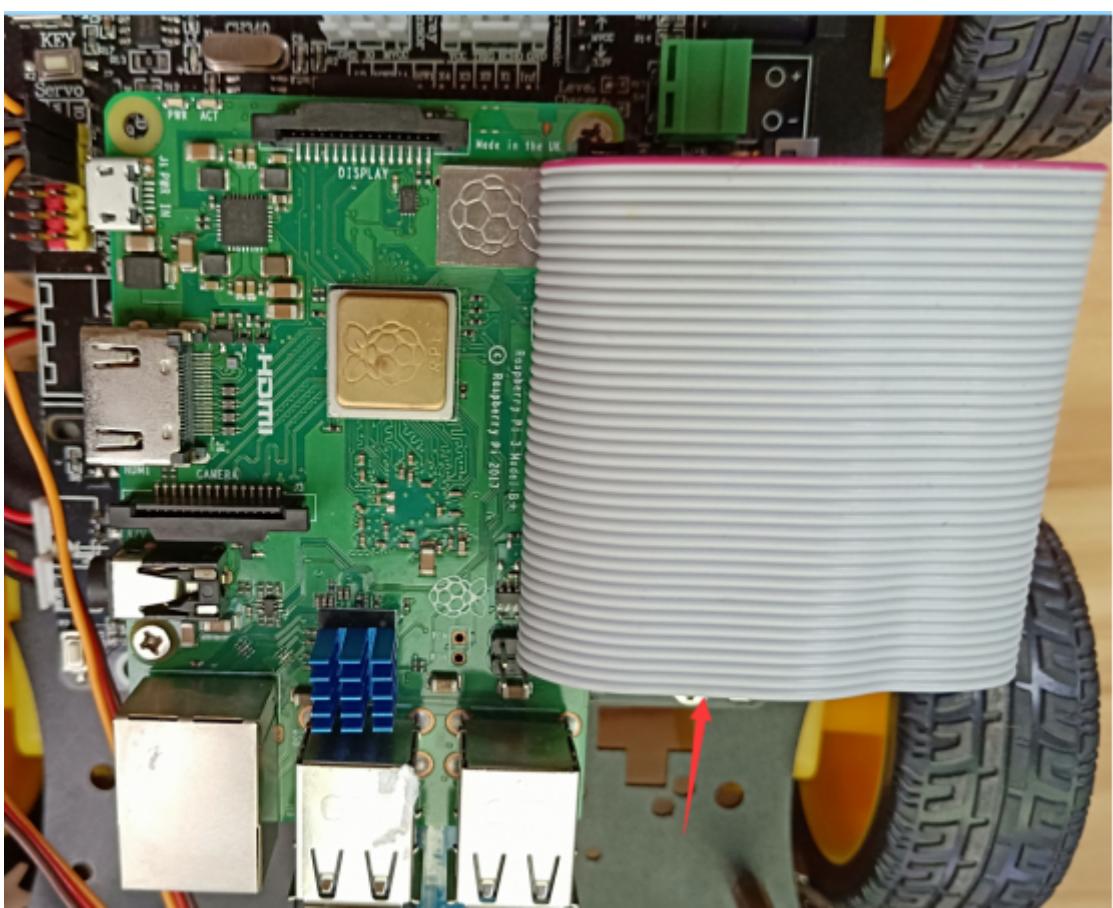
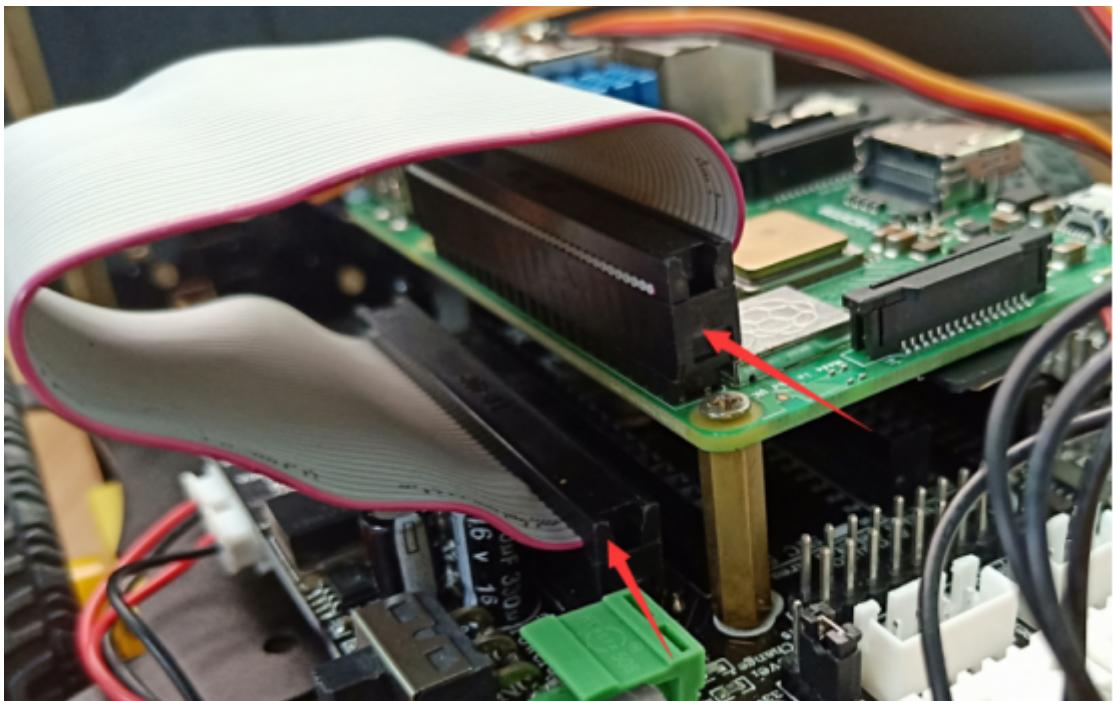
BLOG DOWNLOADS COMMUNITY HELP FORUM EDUCATION

Step 3: After the burning is completed, you need to insert the SD card into the card slot behind the Raspberry Pi, as shown in the figure below.



Step 4: You need to connect the Raspberry Pi board to the 4WD expansion board by the 40PIN cable, as shown in the figure below.

(Please ensure the correctness of the connection)



Step 5: Please use the Android phone to download and install the Bluetooth APK we have provided. The download location is as shown below or you can enter the google drive link given in our manual to download.

#### 4. Battery and charging ^

##### 4.1 Battery of G1 robot car use ...

Download 

 APP 

Code 

SCH 

Tools 

**Download ZIP**

Step 6: After the APK is installed, you can use the Bluetooth APK remote control TrikeBot car. But you need to pay attention to the points, otherwise the Bluetooth remote control function will have problems.

Note:

- (1) The TrikeBot car needs to have enough voltage to work properly. Please refer to the following figure for the charging method and battery usage:

#### 9.Raspi

##### 1)Introduction of exper

In this experiment, we contr phone sends commands thr turn right , stop, any angle c

At the same time, the status by the ultrasonic wave are d port.

##### 2)Experimental Steps

- (1) You need to install th Android mobile phone, t

**Raspberry Pi TrikeBot car**

- 1. Remote control operation
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- 4. Battery and charging**
- 4.1 Battery of TrikeBot use prec.**

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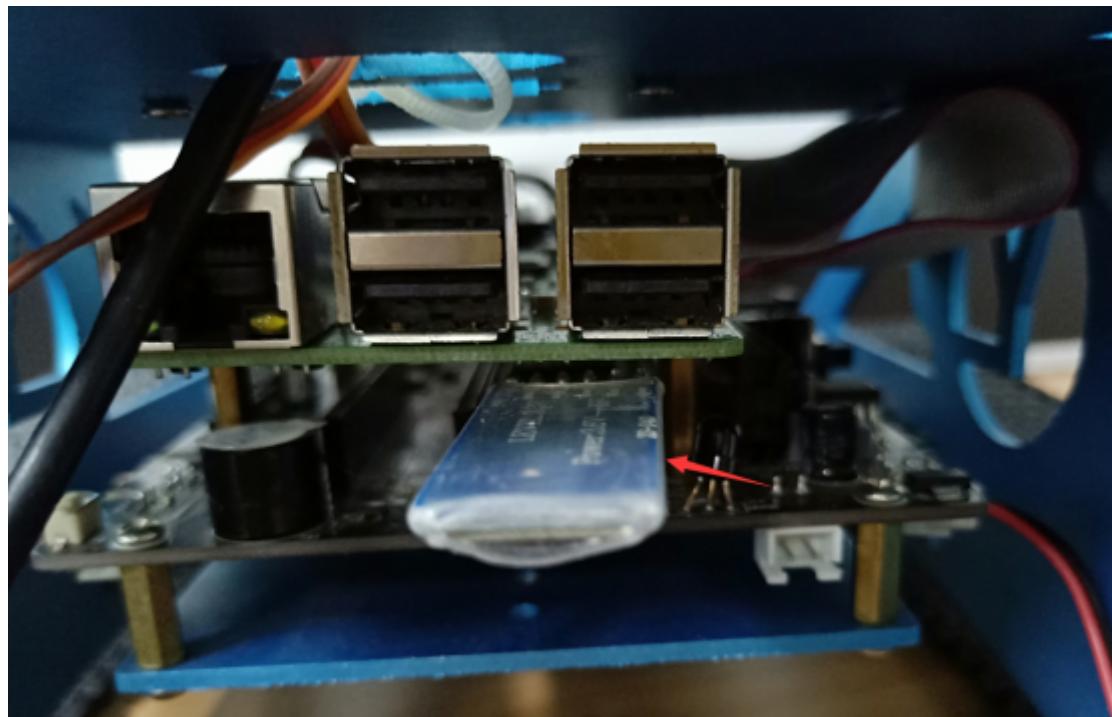
# Welcome to Raspberry Pi TrikeBot car repository

## 4.1 Battery of TrikeBot use precautions

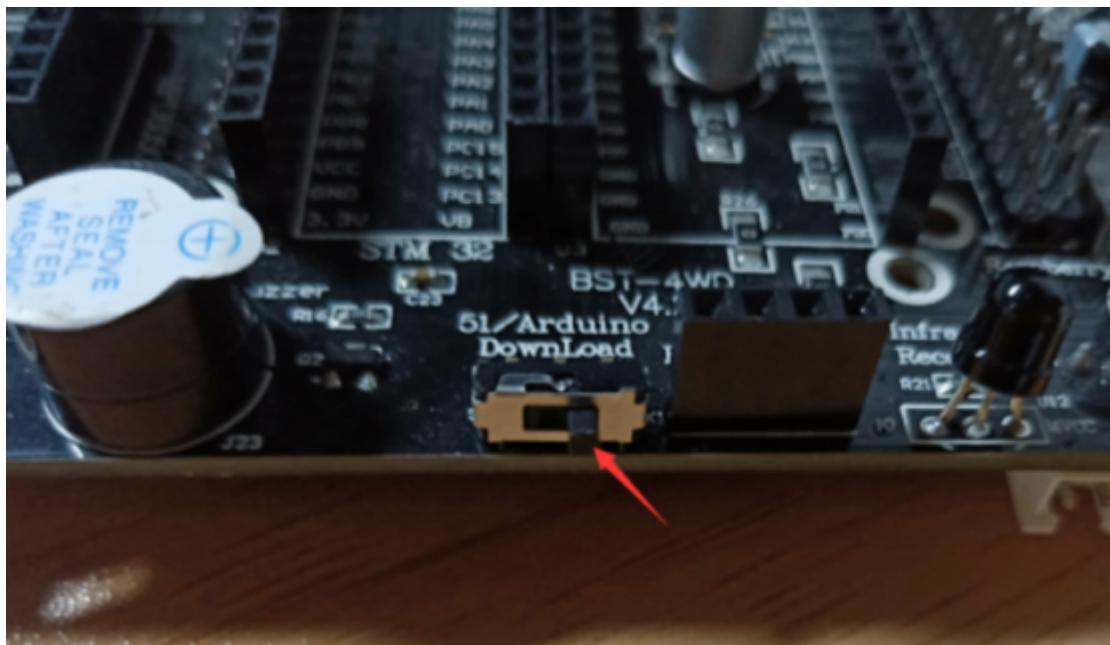
### Battery of TrikeBot use precautions:

1. Please use the charger we provide to charge the car.
2. The car cannot be used while charging.
3. The voltage needs to be charged in time at around 9V. When the charging completed, the battery voltage is about 12.6V.
4. If you do not use the car for a long time, you should unplug the battery or from the bottom plate of the car. Because even if the car is in standby, the battery will be worn out.
5. If you have not used the car for a long time, you need to fully charge the battery.

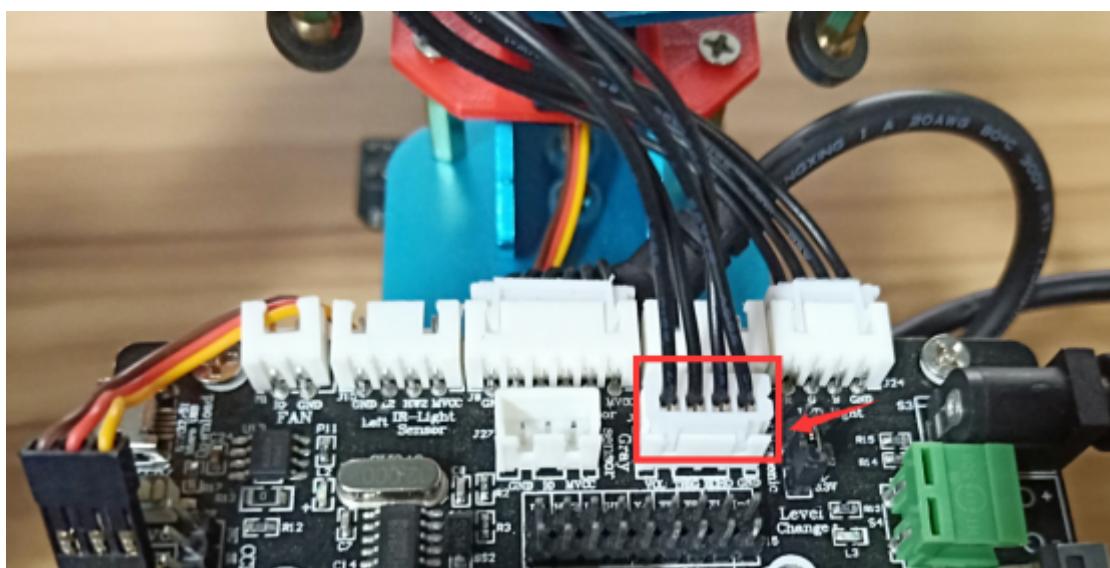
(2) The Bluetooth module needs to be properly inserted into the expansion board of the TrikeBot car. As shown in the figure below.



(3) 51/Arduino Download Switch on the expansion board must be set to [OFF]. As shown in the figure below.



(4) The ultrasonic module must be inserted. As shown in the figure below.



Please read our manual for introductions of Bluetooth remote control interface.