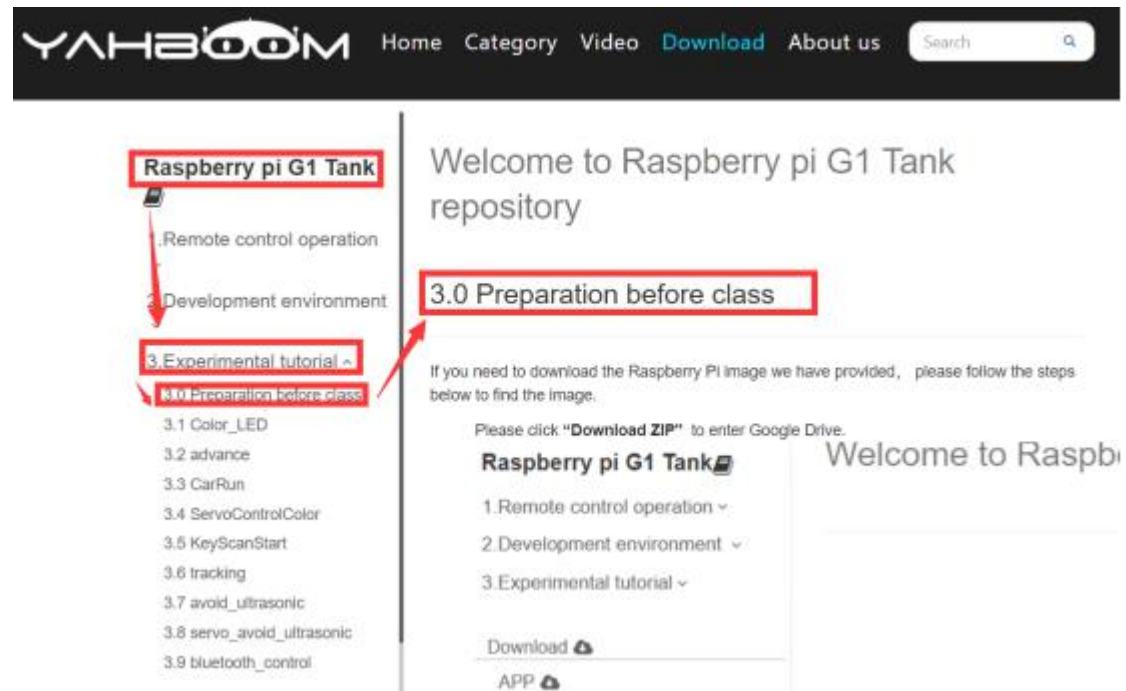


If you purchased our Raspberry Pi G1 Tank, you need to perform the following steps:

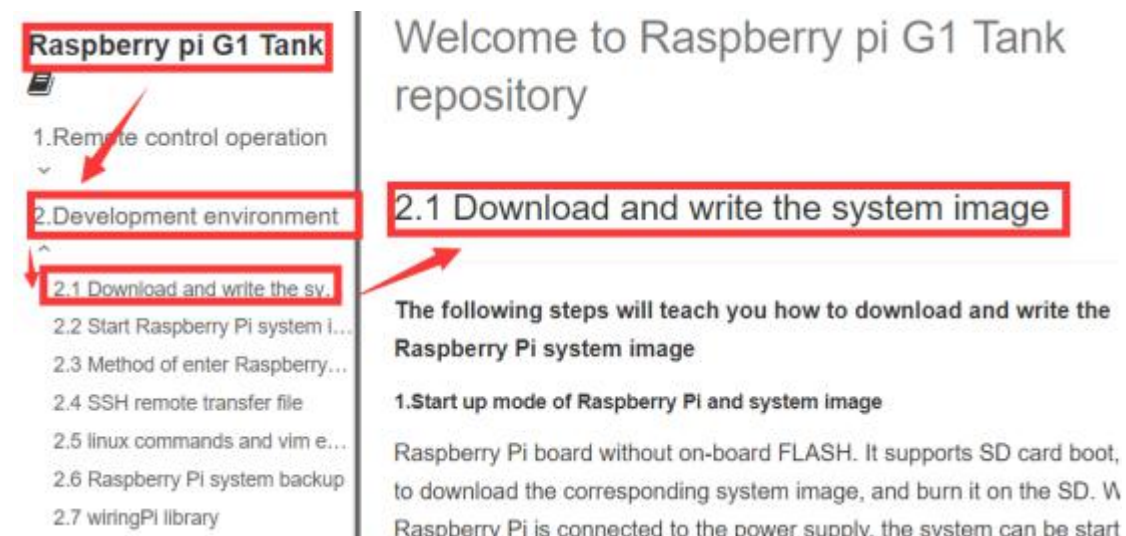
Step 1: After the G1 Tank is assembled, you will need to download the Raspberry Pi image we provided.

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



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.



3.Experimental tutorial ▾

4.Battery and charging ▾

Download 📁

APP 📁

Code 📁

SCH 📁

Tools 📁

Download ZIP

Raspberry Pi supports a variety of system types, such as:
ARM, Debian Squeeze, Firefox OS, Gentoo Linux, Google C
Fedora Remix, Slackware ARM, QtonPi, Slackware, ARM, '
FreeBSD, NetBSD, Android 4.0(Ice Cream Sandwich)

In the development of the Raspberry pi 4WD robot car, v
operating system.

2.Raspberry PI system image download address.

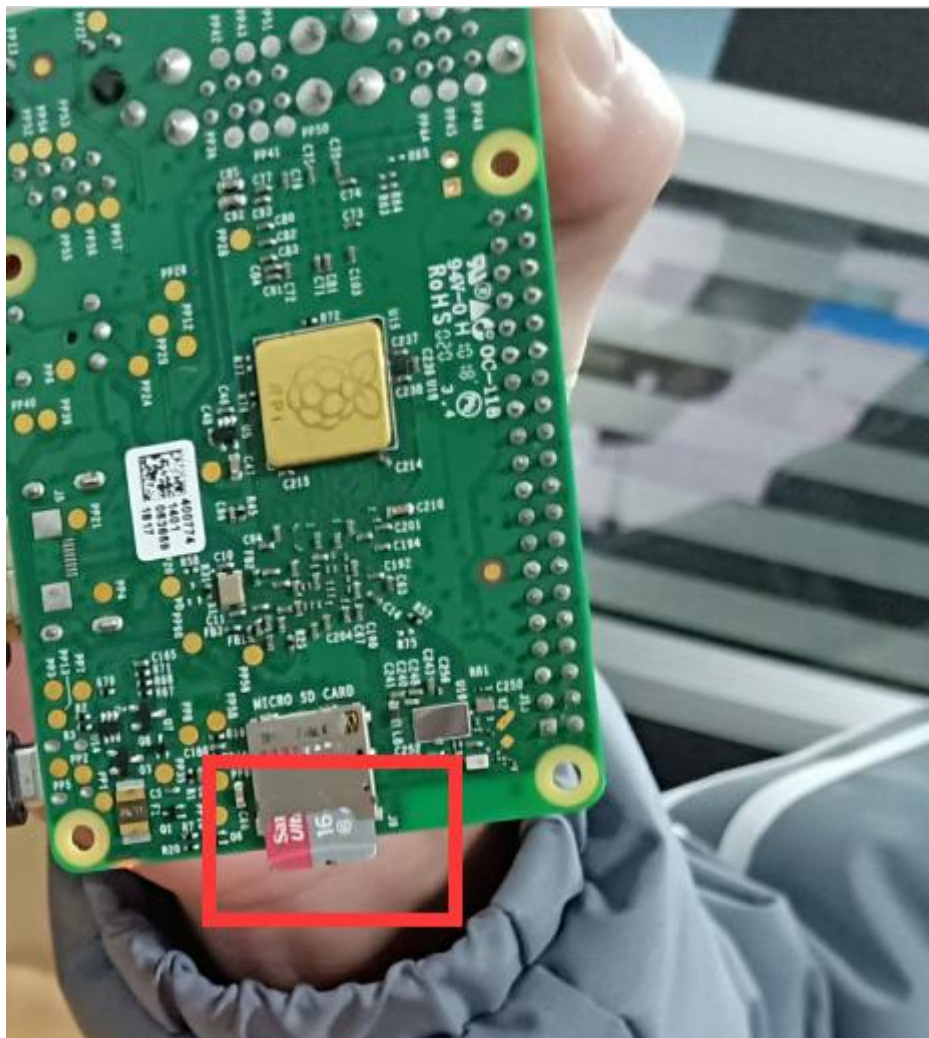
Download address:

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



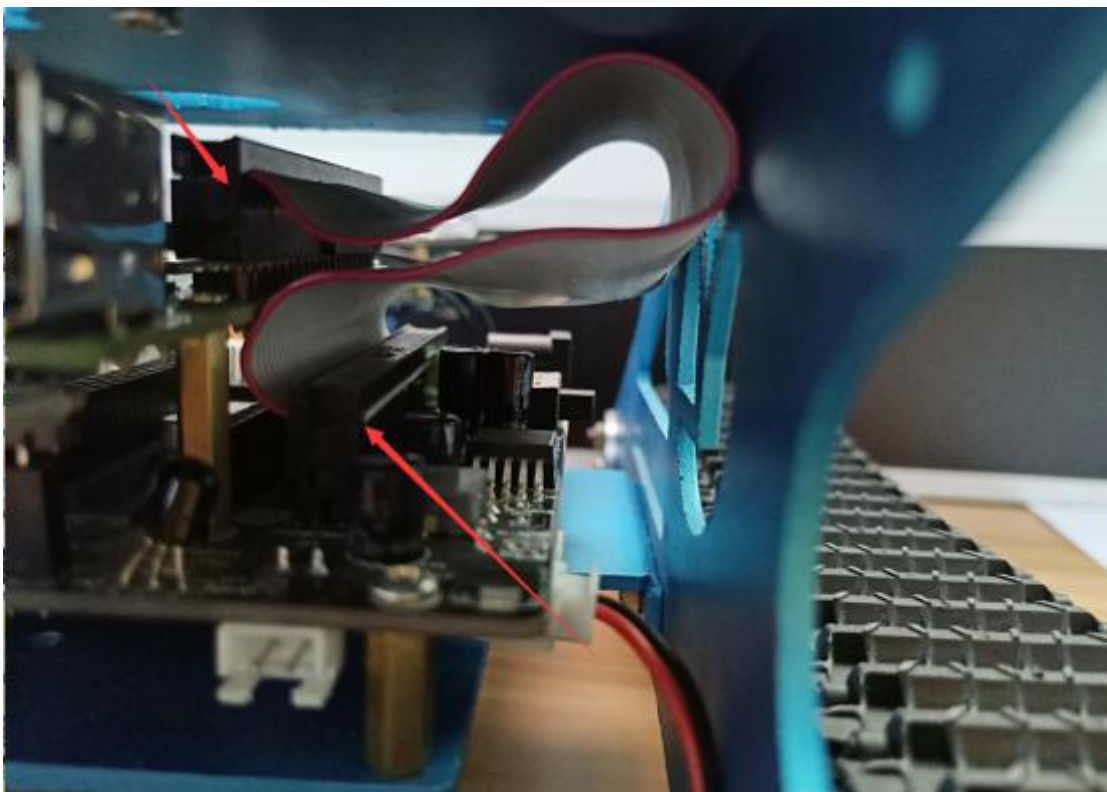
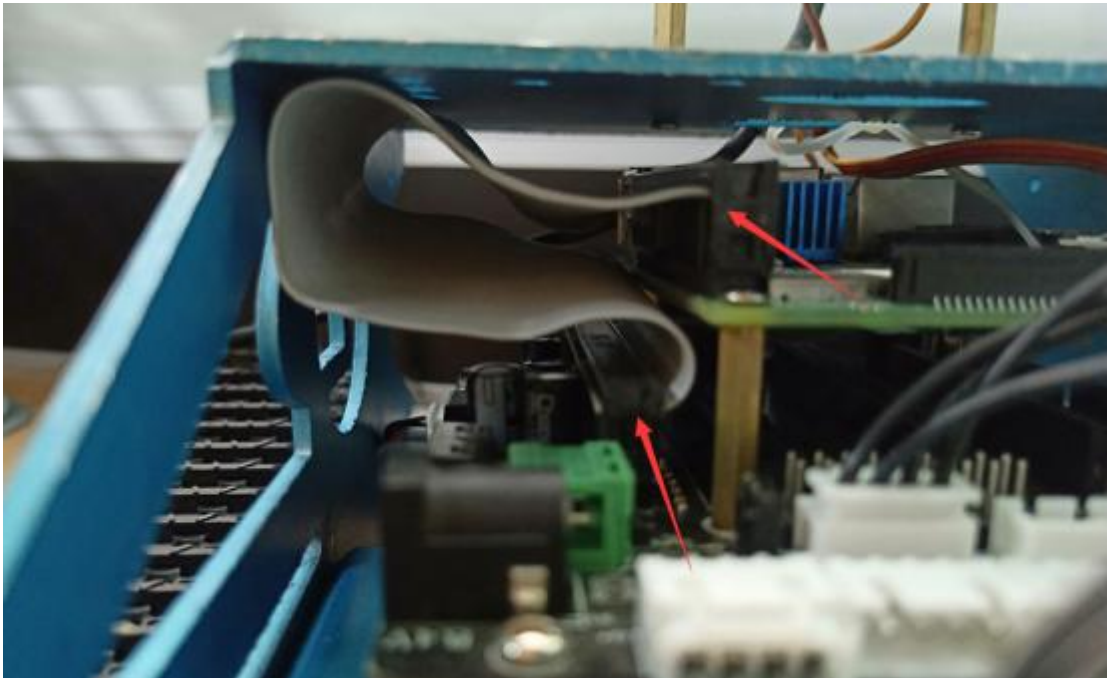
You can click here to get Tools folder

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

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1)Introduction of exper

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

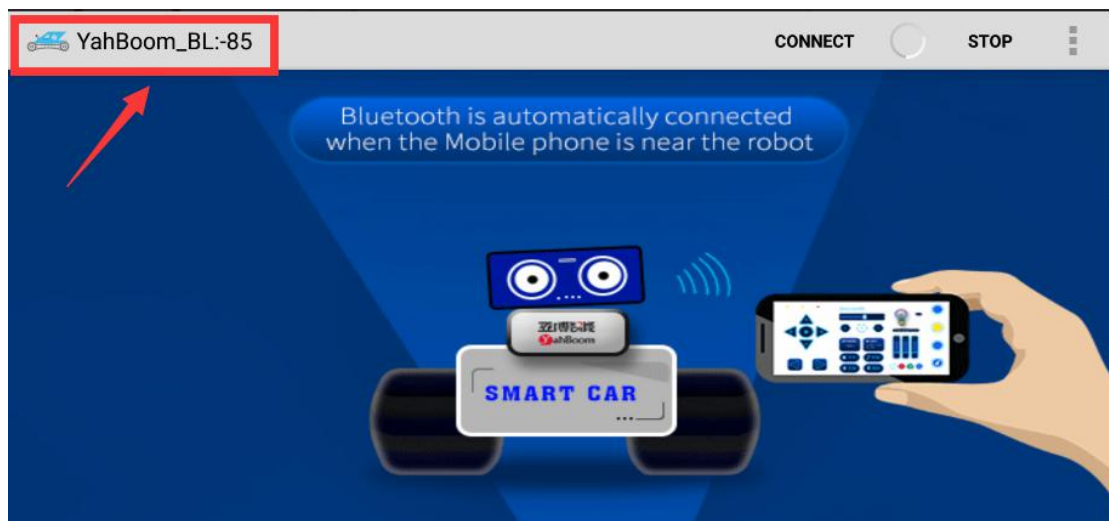
At the same time, the status
by the ultrasonic wave are d
port.

2)Experimental Steps

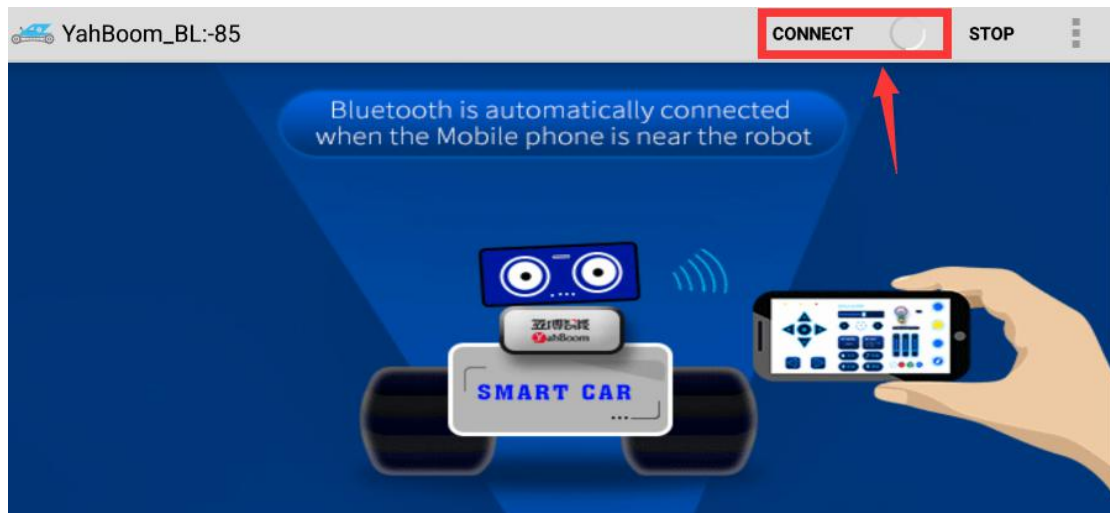
(1) You need to install th
Android mobile phone, to

Note:During installation, If you find any prompts on your phone (for example: location permissions of your phone). You must select "Yes".

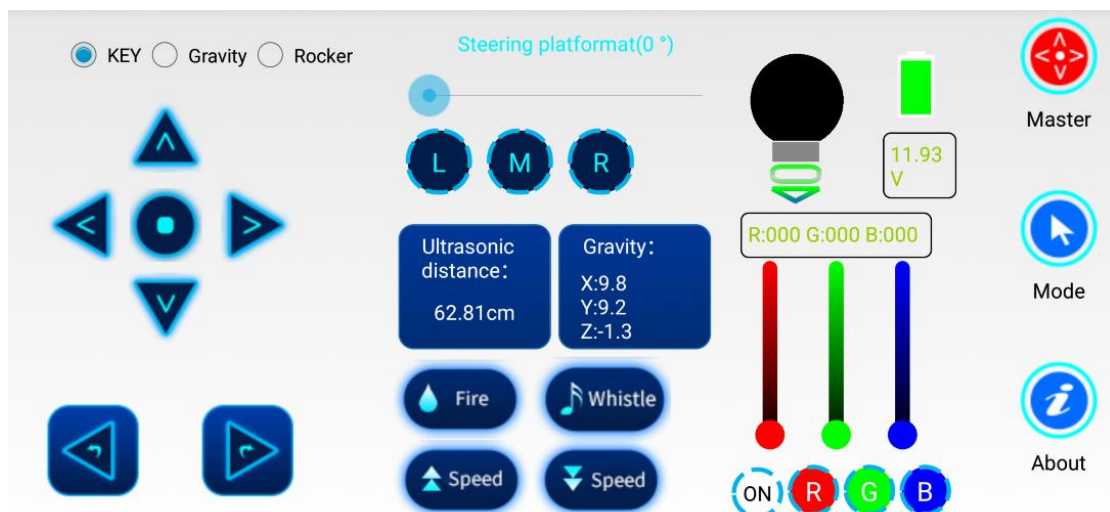
Step 6:After the APP is installed, open the Bluetooth of the your phone, open the power switch of the Tank, and open the Bluetooth APP. The mobile phone is close to the car, you will see the Bluetooth signal in the upper left corner of the Bluetooth APP interface, as shown below, while the red indicator of the Bluetooth module keeps flashing.



Step 7: The phone will automatically connect to the Bluetooth near the Tank. If there is no automatic connection, you need to click 【CONNECT】 on the APP interface.



Step 8: Then, Bluetooth can be successfully connected, and the APP will enter the interface as shown below. At the same time, the red indicator of the Bluetooth module will be keep on.



Step 9: Wait for the ultrasonic data to change, it prove that Bluetooth starts to transmit data normally. You can start to control the Tank.

You need to pay attention to the points, otherwise the Bluetooth remote control function will have problems.

Note:

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

Arduino G1 Tank

- 1.Remote control operation
- 2.Arduino IDE programming
- 3.Graphical programming
- 4.Battery and charging**
- 4.1 Battery of G1 robot car use ..

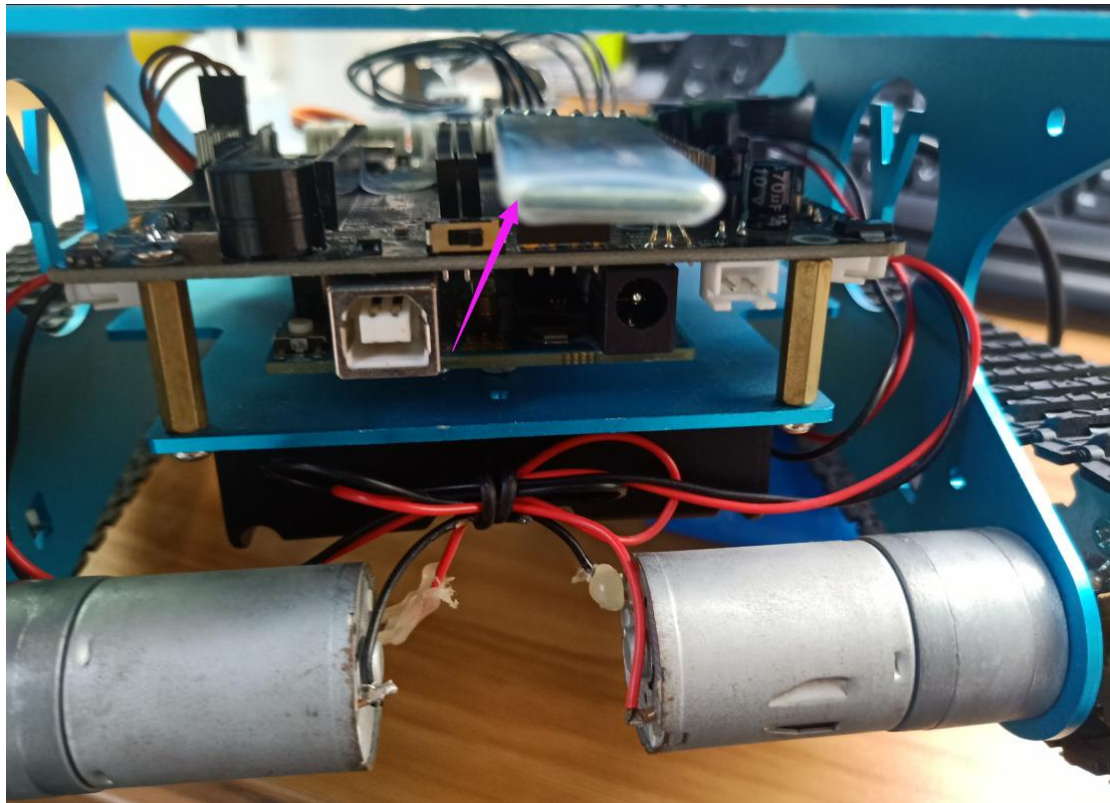
Welcome to Arduino G1 Tank

4.1 Battery of G1 robot car use preca

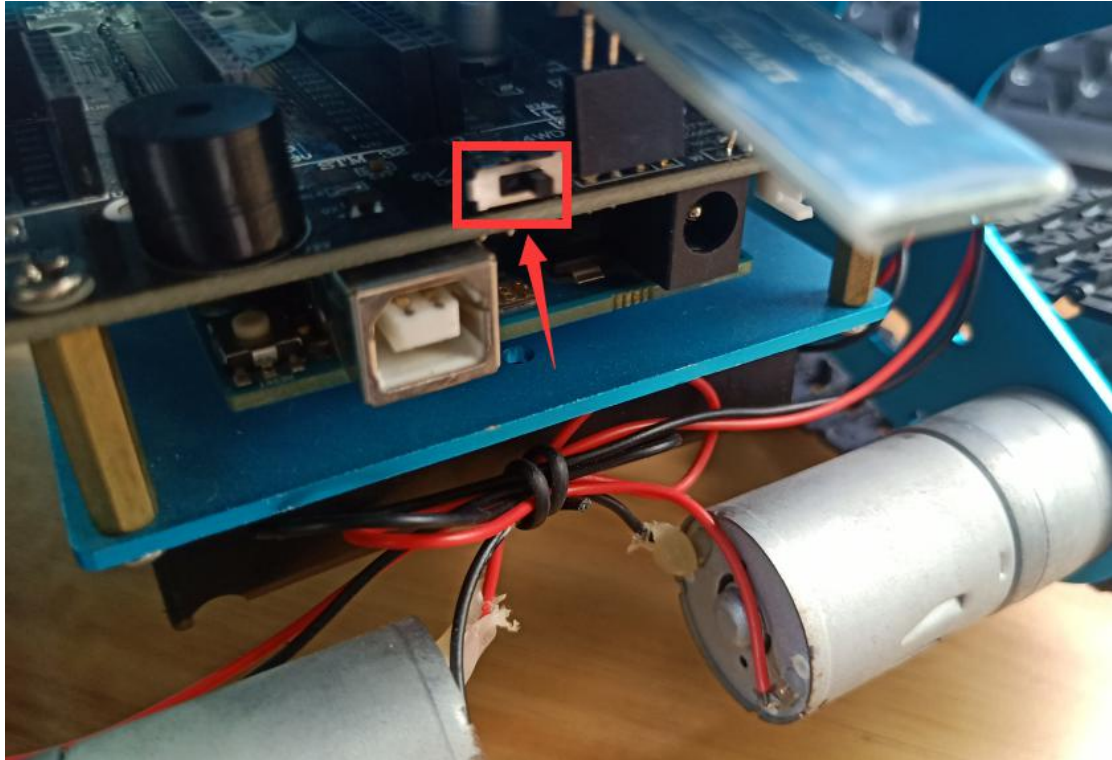
Battery of G1 robot car use precautions:

- 1. Please use the charger we provide to charge the car.
- 2. The car cannot be used while charging.

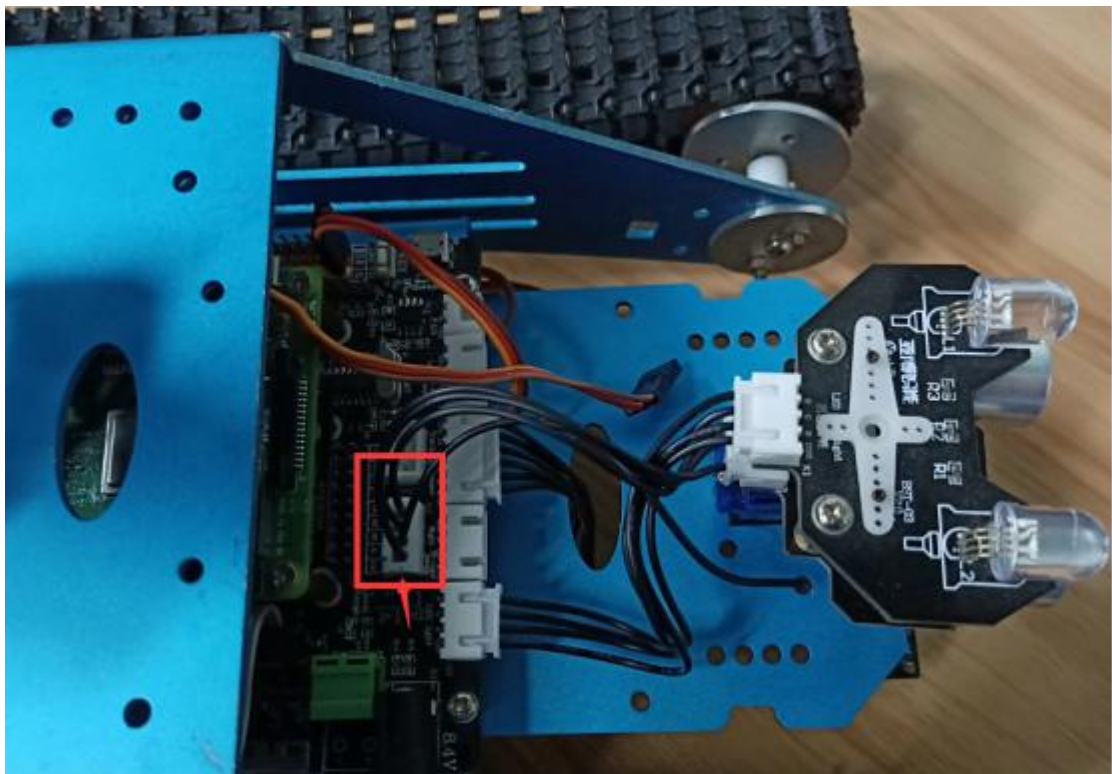
(2) The Bluetooth module needs to be properly inserted into the expansion board of the Tank. As shown in the figure below.



(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.

