

If you purchased our Arduino 4WD Smart car, you need to perform the following steps:

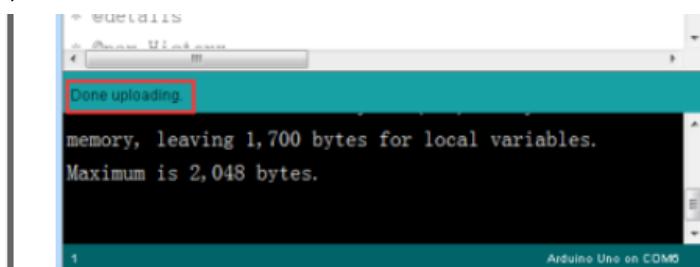
Step 1: After the car is assembled, you will need to download Bluetooth program we provided.

The program is located at: 【3.Arduino IDE programming】 ----

【3-14.bluetooth\_control】 , as shown below.

- 3-3. CarRun
- 3-4. ServoControlColor
- 3-5.KeyScanStart
- 3-6. infrared\_avoid
- 3-7. infrared\_follow
- 3-8. light\_follow
- 3-9. avoid\_ultrasonic
- 3-10. color\_recognition
- 3-11. voltage\_detection
- 3-12. servo\_ultrasonic\_avoid
- 3-14. bluetooth\_control**

4.Battery and charging ▾



!!!Note:

1. The Bluetooth module needs to be properly inserted i of the robot car.
2. 51/Ardruino Download Switch on the expansion board
3. The ultrasonic module must be inserted.

The code of the experiment: [13.bluetooth\\_control.rar](#)

Step 2: Upload this bluetooth\_control program to your Arduino Uno board by Arduino IDE software.

For how to use Arduino IDE, please refer to course 3-0.Experimental preparation(CH340) and 3-0.Experimental preparation(Compile)

### Arduino 4WD smart car

- 1.Remote control operation
- 2.Graphical Programming
- 3.Arduino IDE Programming
- 3-0.Experimental preparation(...)**
- 3-0.Experimental preparation(...)**
- 3-1.Color LED

### Welcome to Arduino 4WD smart car repository

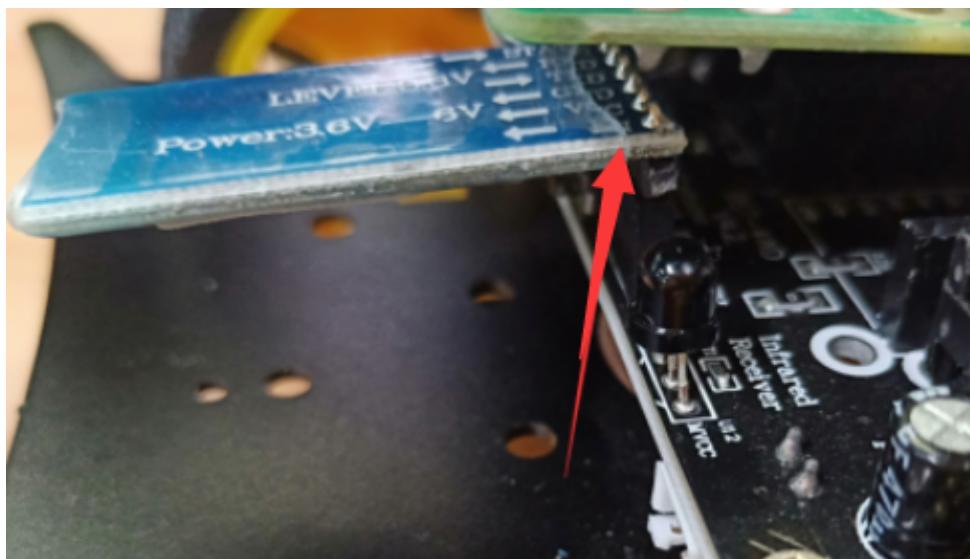
#### 3-0.Experimental preparation(CH340)

Drive installation method as shown in the following picture:

1. We need to open the installation package:Uart drive(CH340),as shc following picture.

**Note: During the upload process, you need to unplug the Bluetooth module.**

Step 3: After the program is successfully uploaded, you need to correctly inserted Bluetooth module. As shown below.



Step 4: You need to download Bluetooth APP, and install it on your Android mobile phone, as shown below.

### Arduino 4WD smart car

- 1. Remote control operation
- 2. Graphical Programming
- 3. Arduino IDE Programming
- 4. Battery and charging

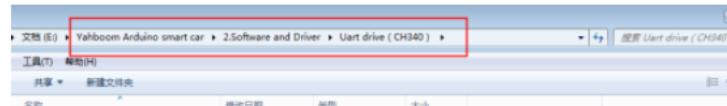
Download  
App

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#### 3-0. Experimental preparation(CH340)

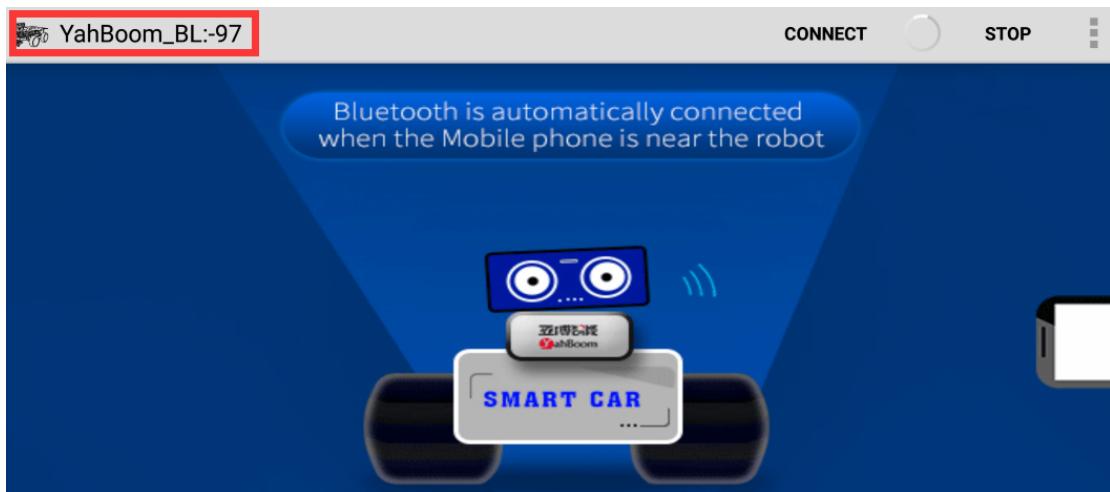
**Drive installation method as shown in the following picture:**

1. We need to open the installation package: Uart drive(CH340), as shown in the following picture.

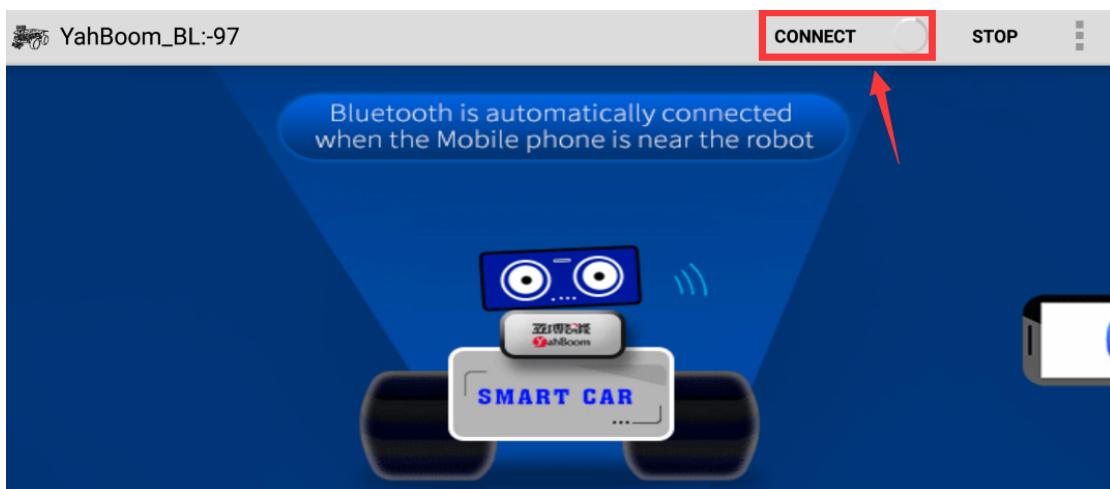


**Note: During installation, If you find any prompts on your phone (for example: location permissions of your phone). You must select "Yes".**

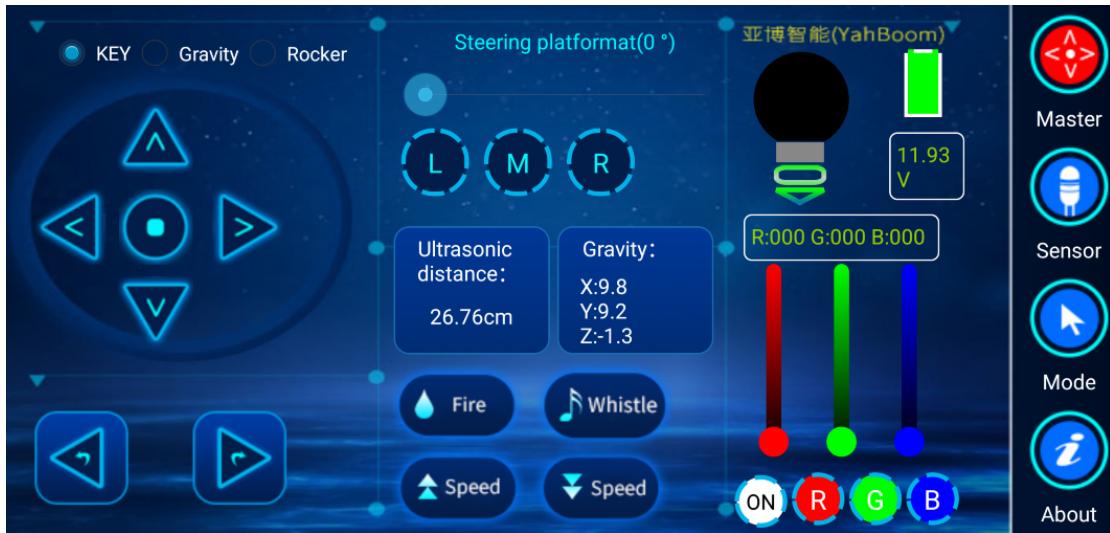
Step 5: After the APP is installed, open the Bluetooth of the your phone, open the power switch of the car, and open the Bluetooth APP. The mobile phone is close to the car, you will see the Bluetooth signal in the upper left corner of the Bluetooth APP interface, as shown below, while the red indicator of the Bluetooth module keeps flashing.



Step 6: The phone will automatically connect to the Bluetooth near the car. If there is no automatic connection, you need to click 【CONNECT】 on the APP interface.



Step 7: 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 8: Wait for the ultrasonic data to change, it prove that Bluetooth starts to

transmit data normally. You can start to control the car.

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

**Note:**

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

Arduino 4WD smart car

1. Remote control operation



2. Graphical Programming



3. Arduino IDE Programming



4. Battery and charging



4.1 Battery of 4WD robot car us...

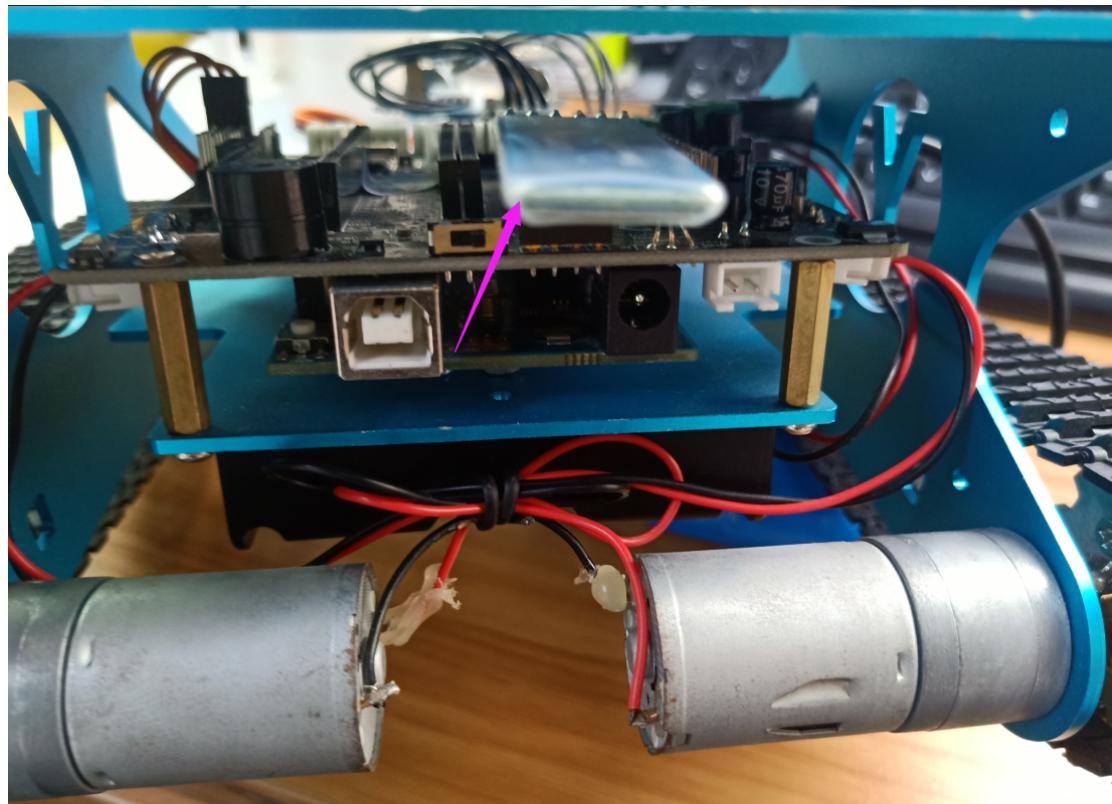
Welcome to Arduino 4WD smart car repository

4.1 Battery of 4WD robot car use precautions

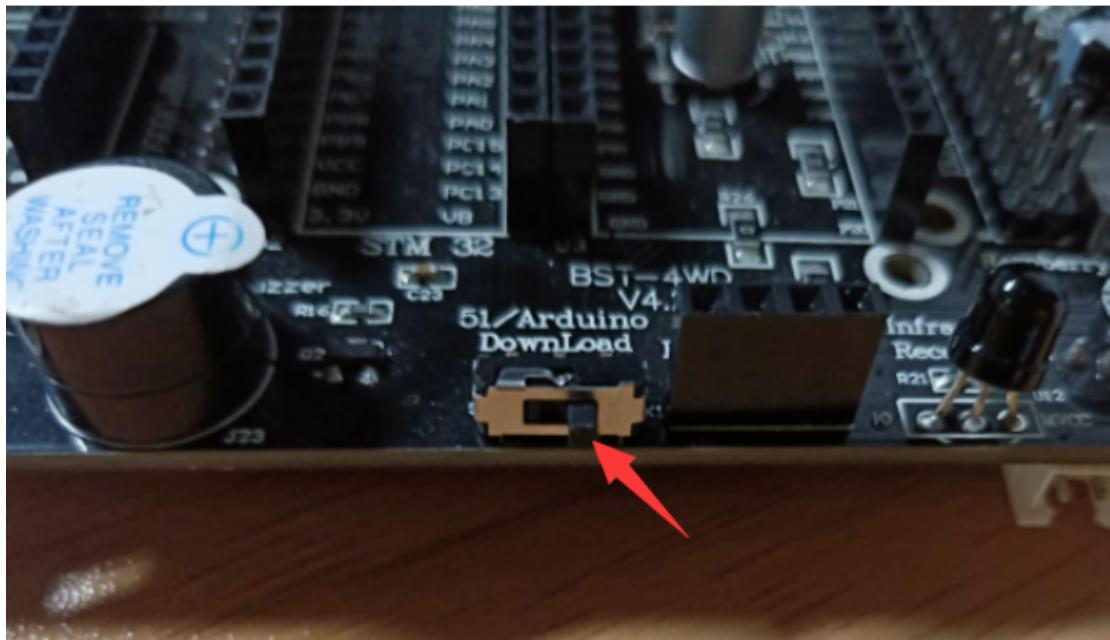
**Battery of 4WD robot car use precautions:**

1. Please use the charger we provide to charge the car.

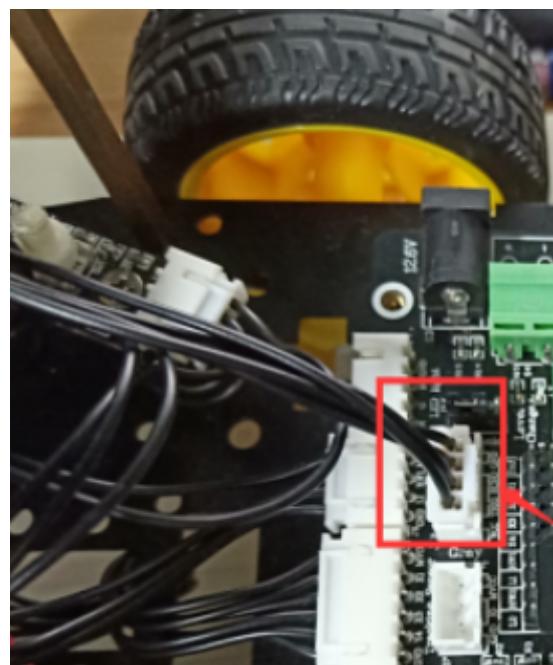
**(2) The Bluetooth module needs to be properly inserted into the expansion board of the car. As shown in the figure below.**



**(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.