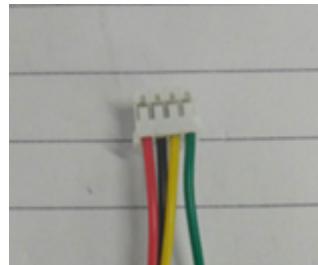


## WIFI camera module use instructions

### Hardware connection



Red: VCC (5V)

Black: GND

Yellow: TXD

Green (White) : RXD

### Download APK:

Android users scan the following QR code by browser or search "YahboomRobot" in Play Store to download APP;

iOS users scan the following QR code by camera or search "YahboomRobot" in App Store to download APP.

As shown in figure below.

!!Note: Because the software is relatively large, the download takes a certain amount of time, please be patient.



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

### WIFI camera control

1. You need to download the **PCA9685\_Drive\_Bluetooth\_WIFI\_control** program and upload this program to the UNO board of 6WD robot car.
2. You need to install APP to your phone.
3. Fully charge the 6WD car to ensure it has enough power. Please refer to the place shown below as the charging method.

## 6WD Arduino robot car

1. Remote control operation  
Manual ↴

2. Two remote control  
instructions ↴

3. Battery and charging ↴

3.1 Battery of 6WD robot car us...

Download ↗

App ↗

Code ↗

SCH ↗

Manual ↗

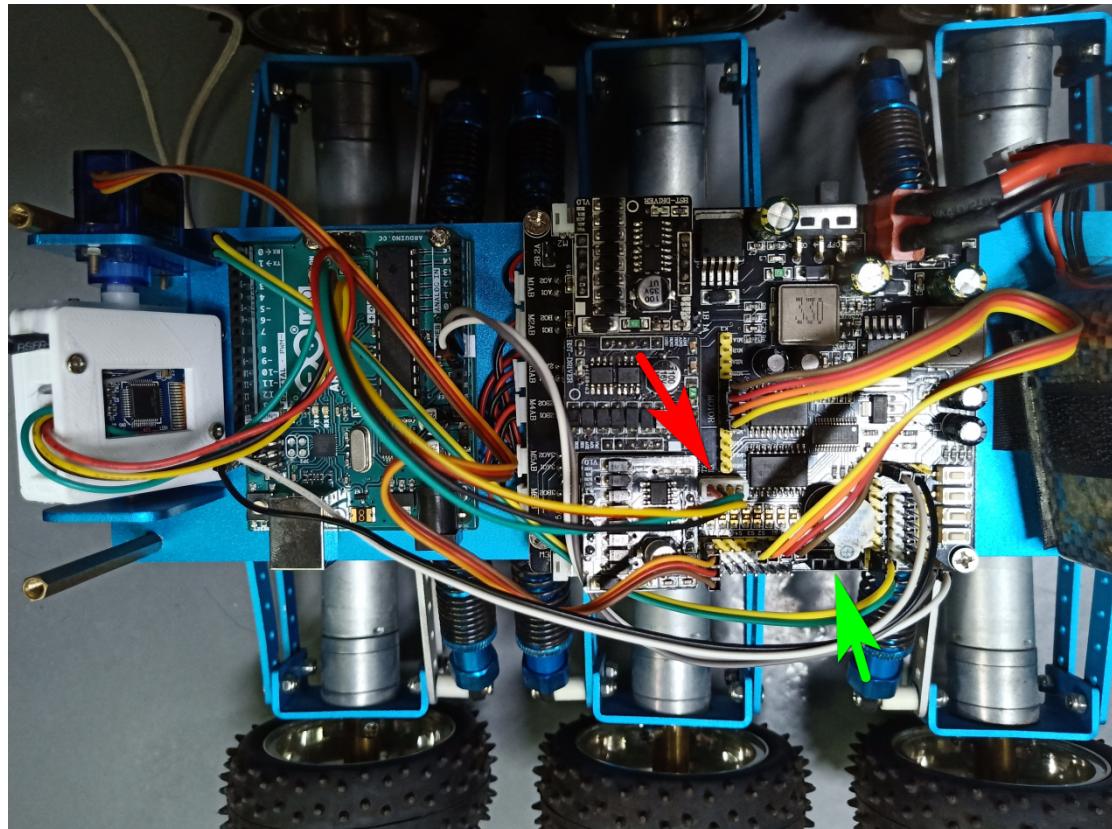
## Welcome to 6WD Arduino robot car repository

### 3.1 Battery of 6WD robot car use precautions

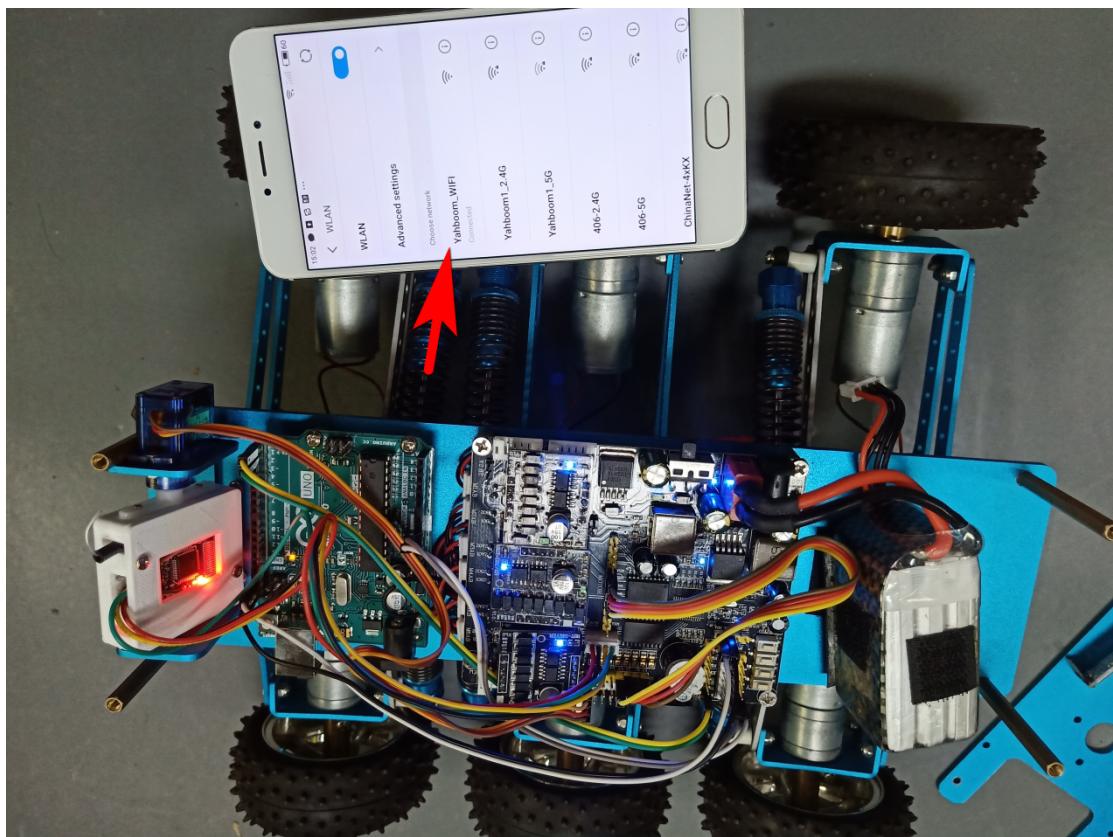
**Battery of 6WD robot car use precautions:**

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 charge 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 from the bottom plate of the car. Because even if the car is in standby, it will be worn out.

4. You need to connect the wifi camera module and unplug the Bluetooth module. As shown below.

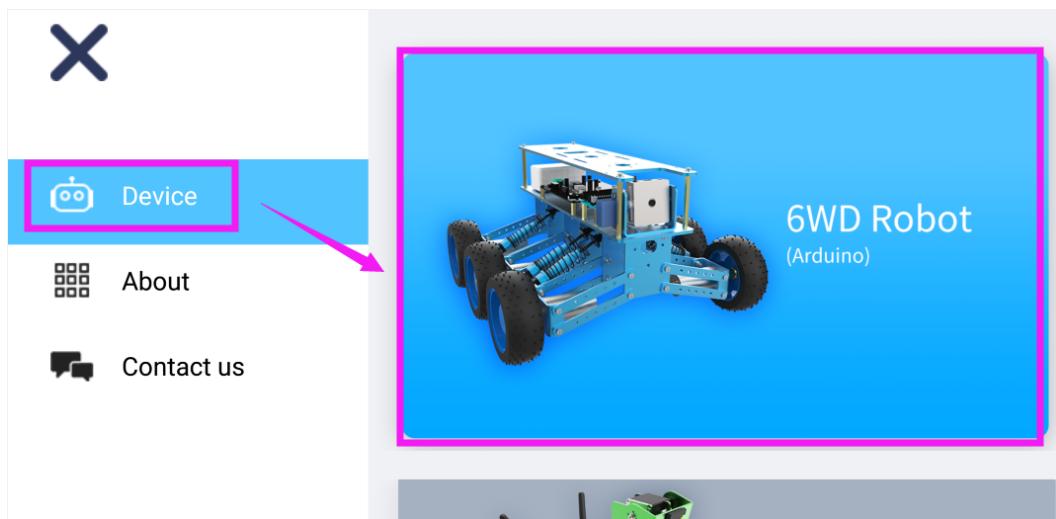


5. After charging is complete. You need to open the power switch of the 6WD robot car, and connect your phone to the Yahboom\_WIFI of the robot car. No need to enter the password. As shown below.

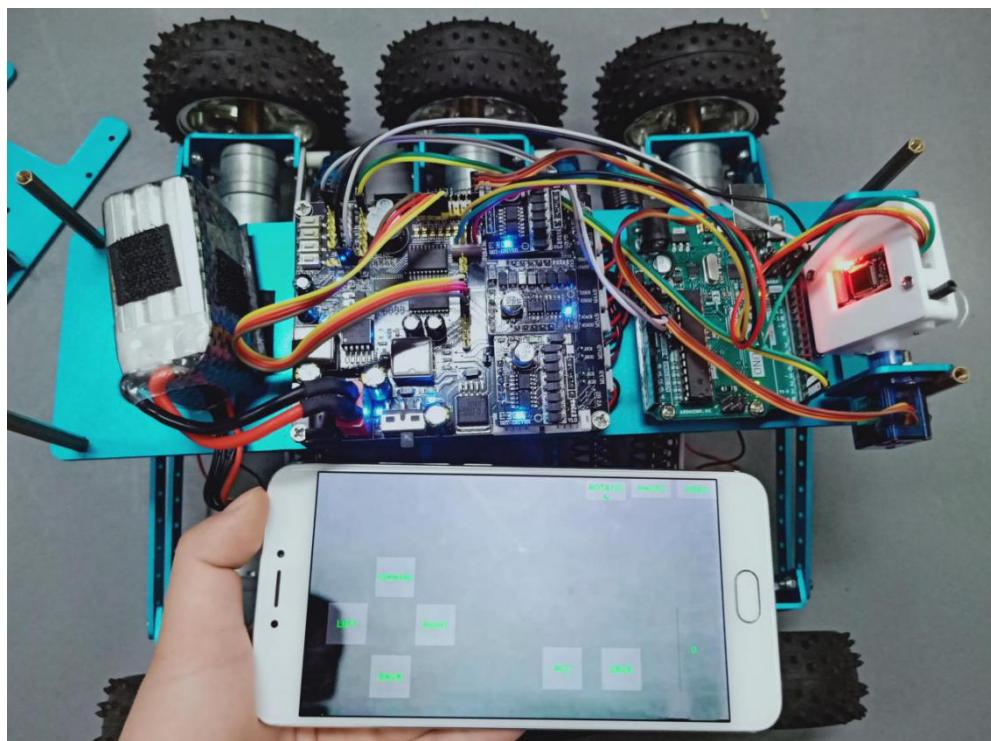


6. You need to open the WIFI control APP. After opening the app, if you will see the screen shown below. You can click left upper corner to select service--【6WD Robot】.





7. Click to enter the screen shown below, after seeing the video screen, you can start to control the car.





**“FORWRAD, LEFT, RIGHT, BACK”:** You can send data to the serial port, MCU can receive signal and process the corresponding action.

**“ACC, DECE”:** You can send data to the MCU to control the speed of the car.

**“Slider”:** You can slide to send data from 0 to 180, control the servo to control the angle of the camera.  
(The above three protocols can be obtained by looking at our documents.)

**“ROTATION”:** The shooting screen can be rotated 90 degrees at a time.

**“PHOTO”:** After the camera sees the picture, you can press the photo. The photo path will be prompted on the interface, or you can go to the Image directory under “MediaStream” in the root directory of the phone.

**“VIDEO”:** After the camera sees the screen, you can press to start recording. At this time, the recording starts. The interface prompts to start recording. After the recording ends, click “Stop recording” again and it will be saved to the root directory of the mobile phone to “MediaStream”. Under the Movie directory.

Pixels: 300,000

Transmission method: WIFI

Transmission distance: ≥70m (Open space)

Control output: APP control + serial port

Antenna gain: 2.17dB

Working current: 220~320mA

Working voltage: 3.5V~5V

Module weight: 16.7g