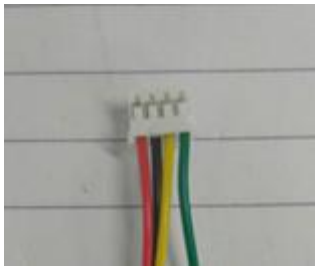


WIFI camera module use instructions

1.Hardware connection:



Red: VCC (5V)

Black: GND

Yellow: TXD

Green (White) : RXD

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 download and install WIFI control APP, and install it to your Android 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 v

2.Two remote control instructions v

3.Battery and charging ^

3.1 Battery of 6WD robot car us...

Download

App

Code

SCH

Manual

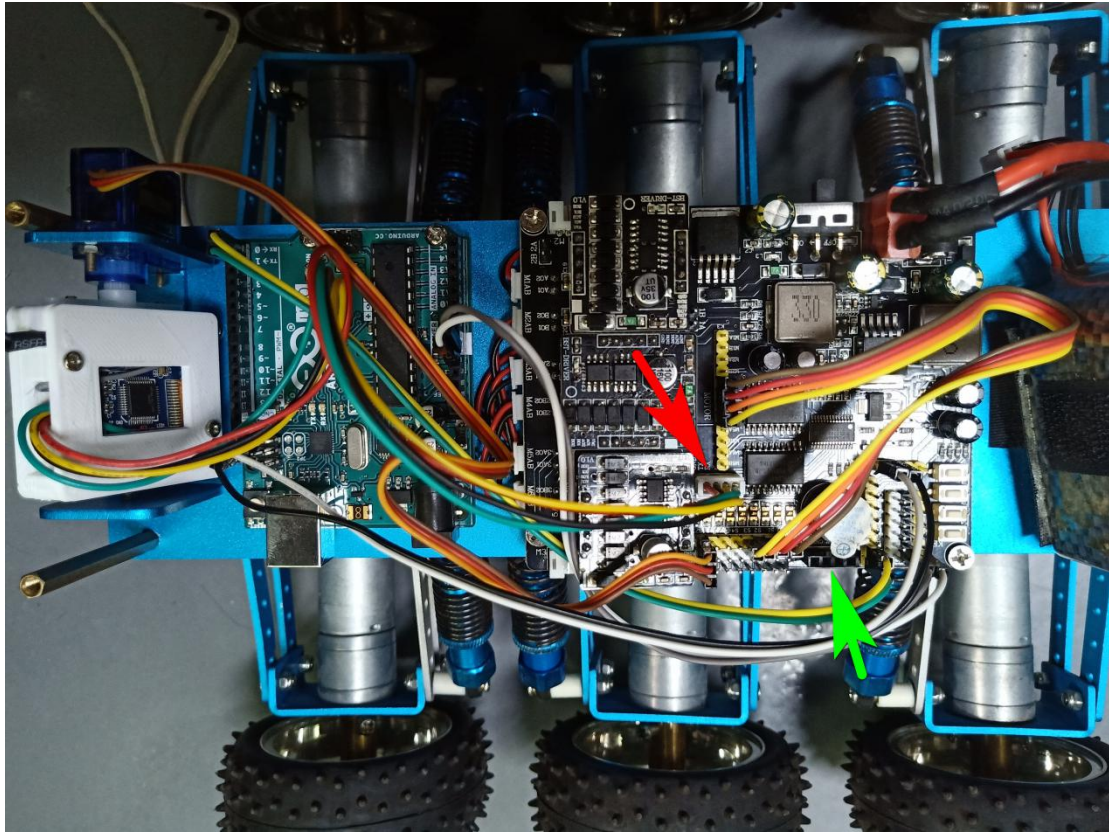
Welcome to 6WD Arduino robot car repository

3.1 Battery of 6WD robot car use precautions

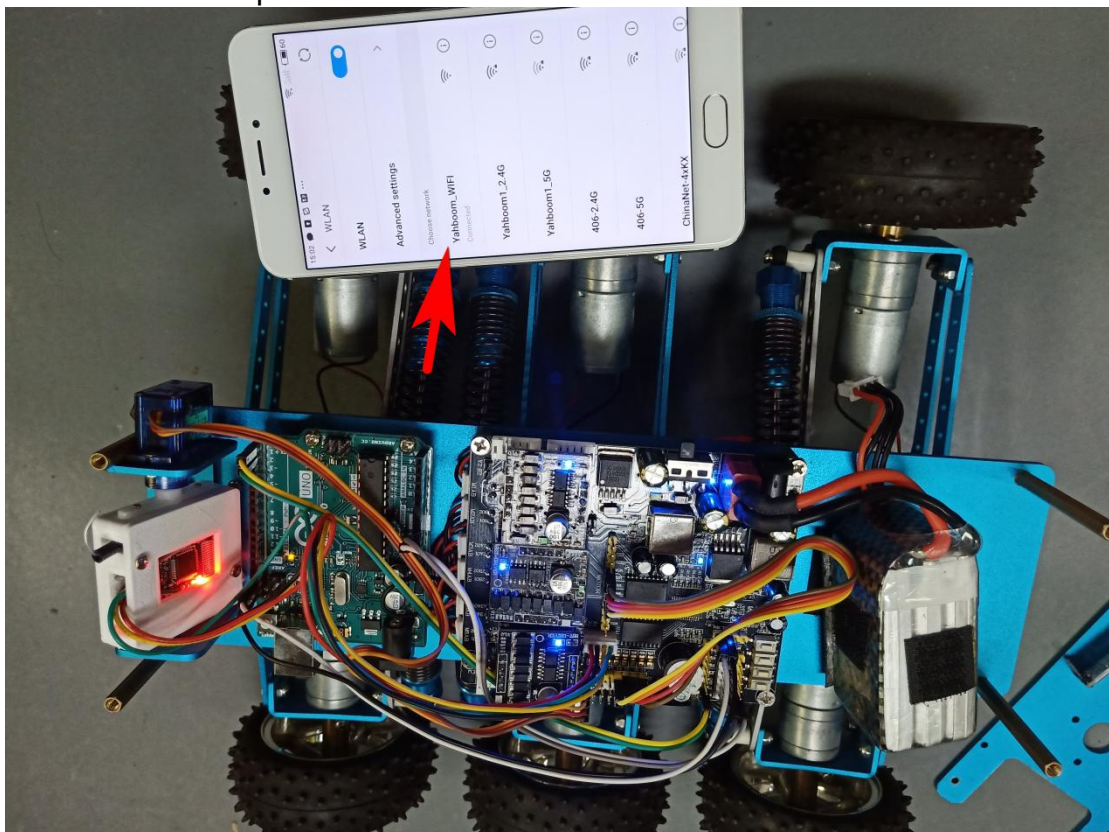
Battery of 6WD robot car use precautions:

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 ct completed, the battery voltage is about 12.6V.
4. If you do not use the car for a long time, you should unplug the batt from the bottom plate of the car. Because even if the car is in standby, will be worn out.

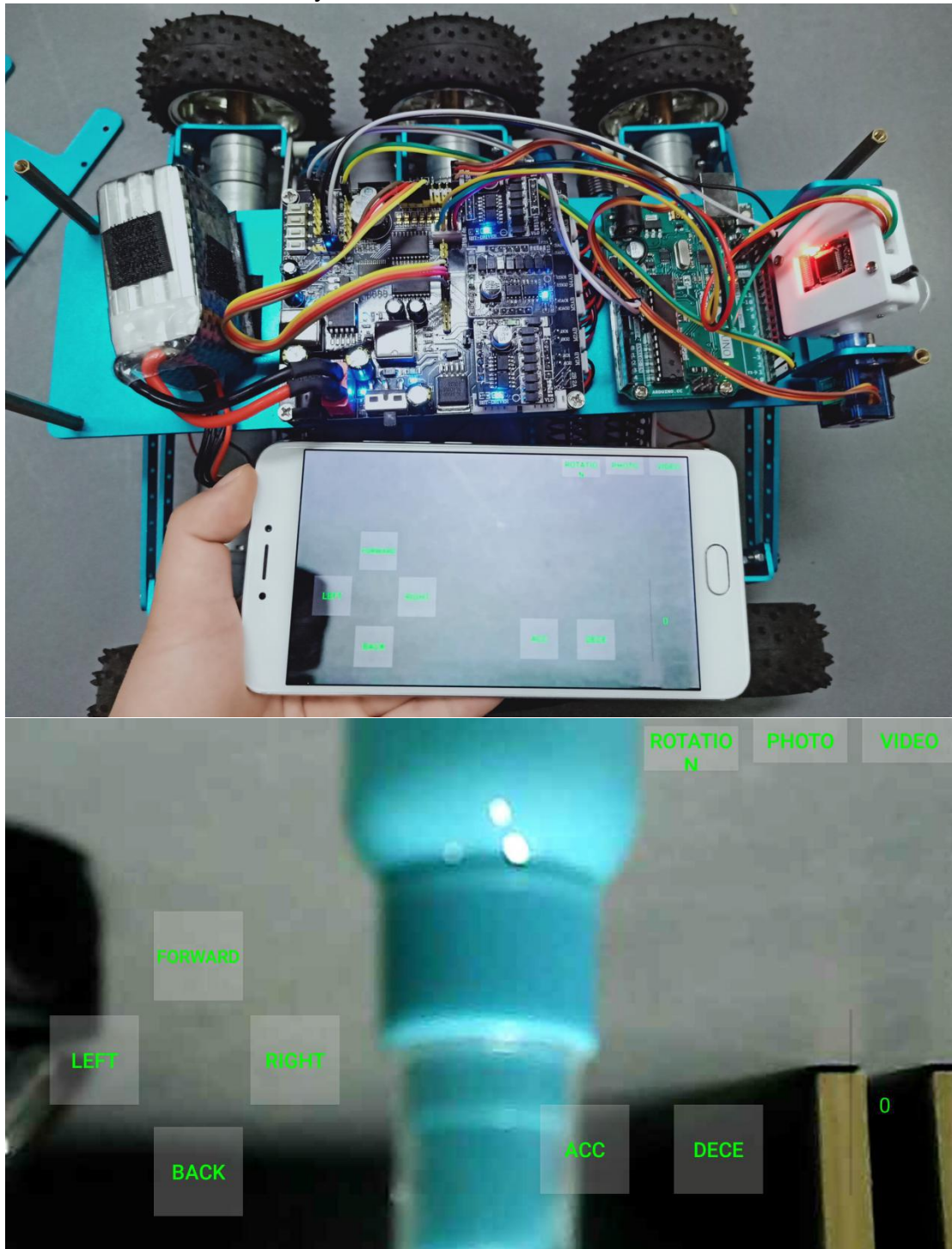
4. You need to connect the wifi camera module and unplug the Bluetooth module.As shown below.



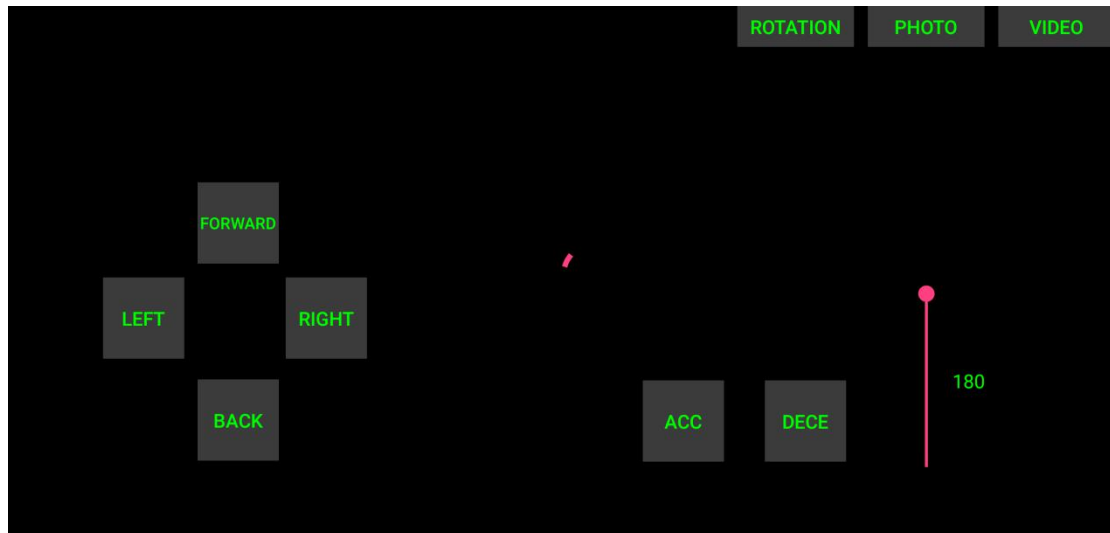
5. After charging is complete. You need to open the power switch of the 6WD robot car, and connect your phone to the Yahboom_WIFI of the robot car. No need to enter the password. As shown below.



6. You need to open the WIFI control APP. After opening the app, you will see the screen shown below, you can start the remote control car.



The apk interface is as follows:



“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: $\geq 70\text{m}$ (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