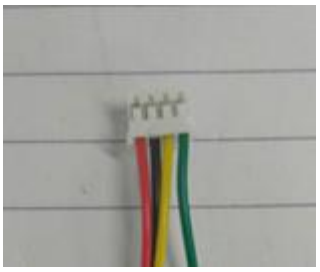
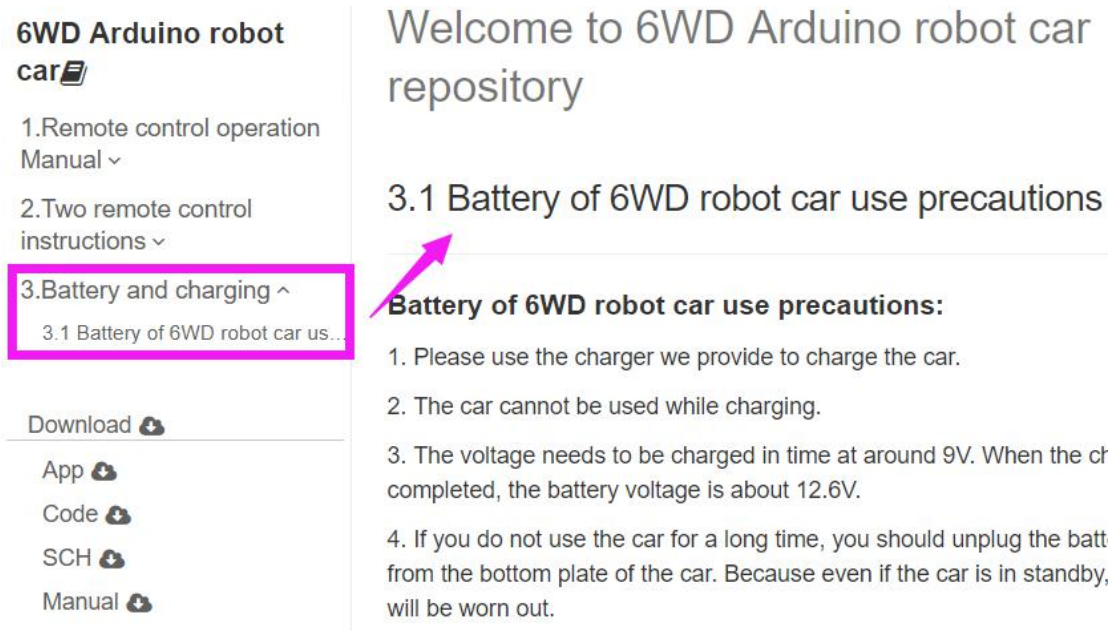
WIFI camera module use instructions

1.Hardware connection:

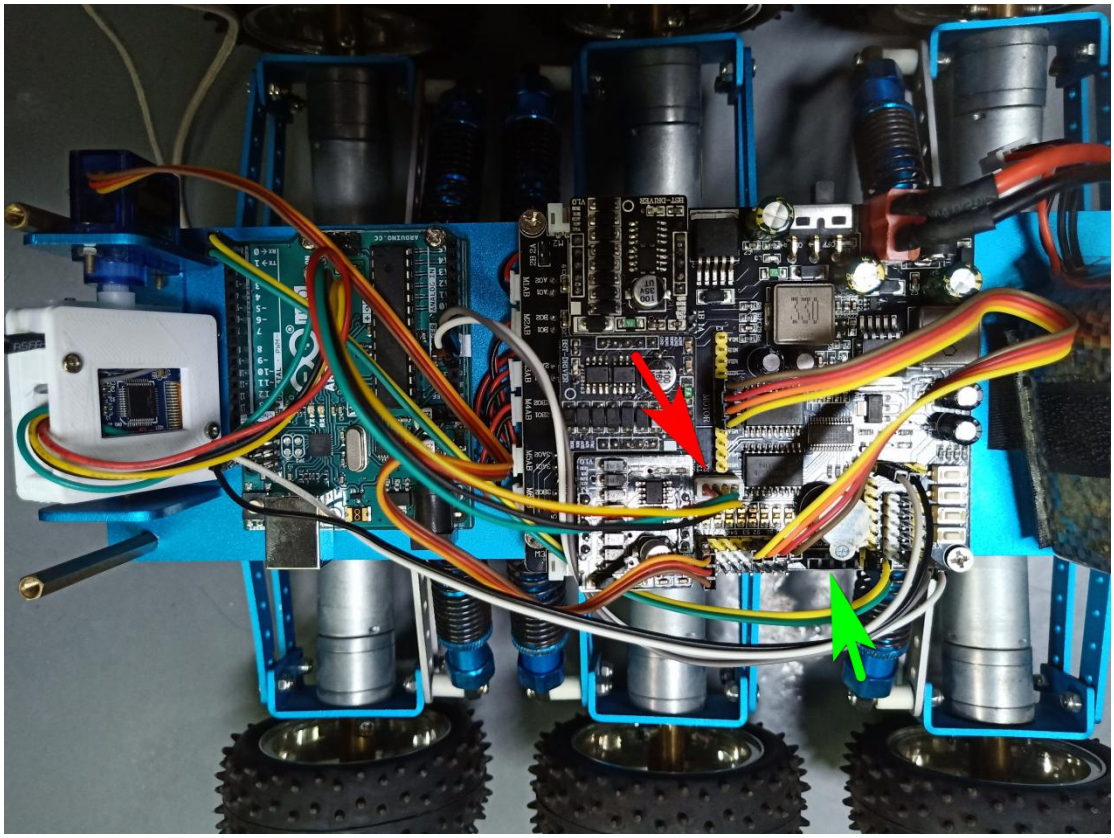


Red：VCC（5V）
Black：GND
Yellow：TXD
Green（White）：RXD

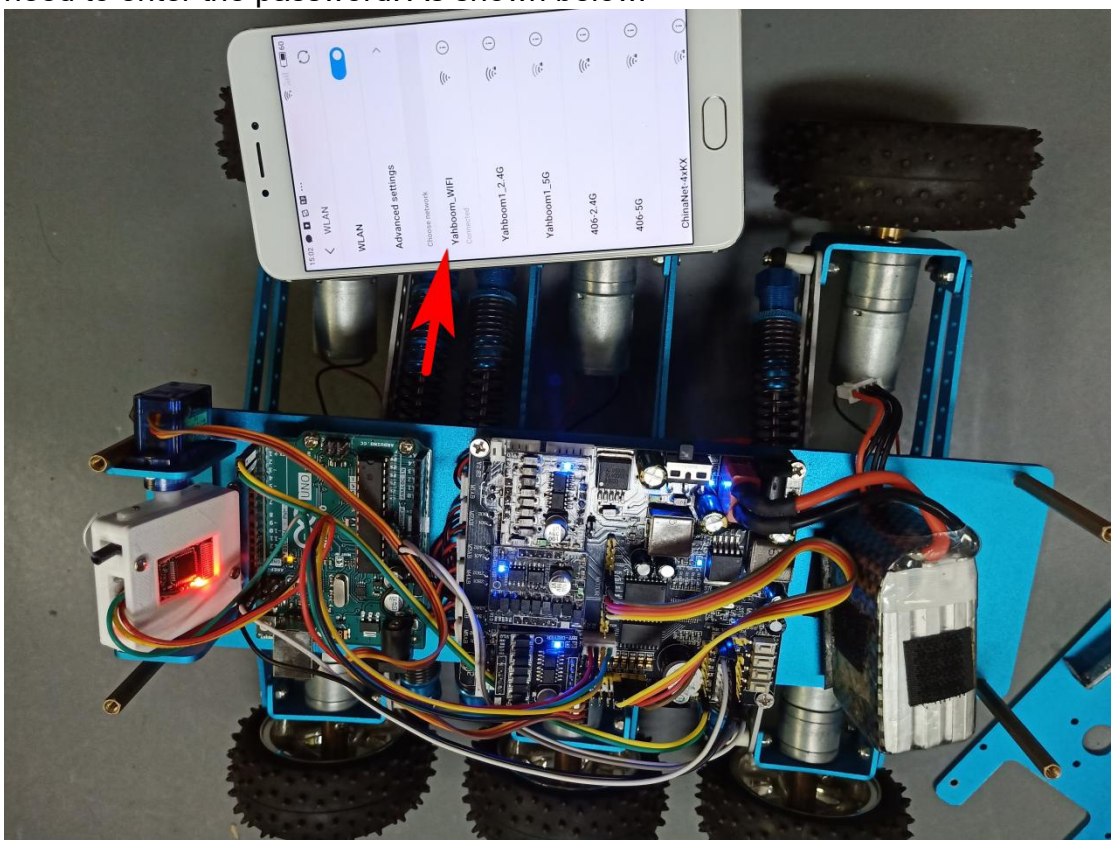
1. You need to download the **PCA9685_Drive_Bluetooth _WIFI_control** program and upload this program to the UNO board of 6WD robot car.
2. You need to download and install WIFI control APP, and install it to your Android phone.
3. Fully charge the 6WD car to ensure it has enough power. Please refer to the place shown below as the charging method.



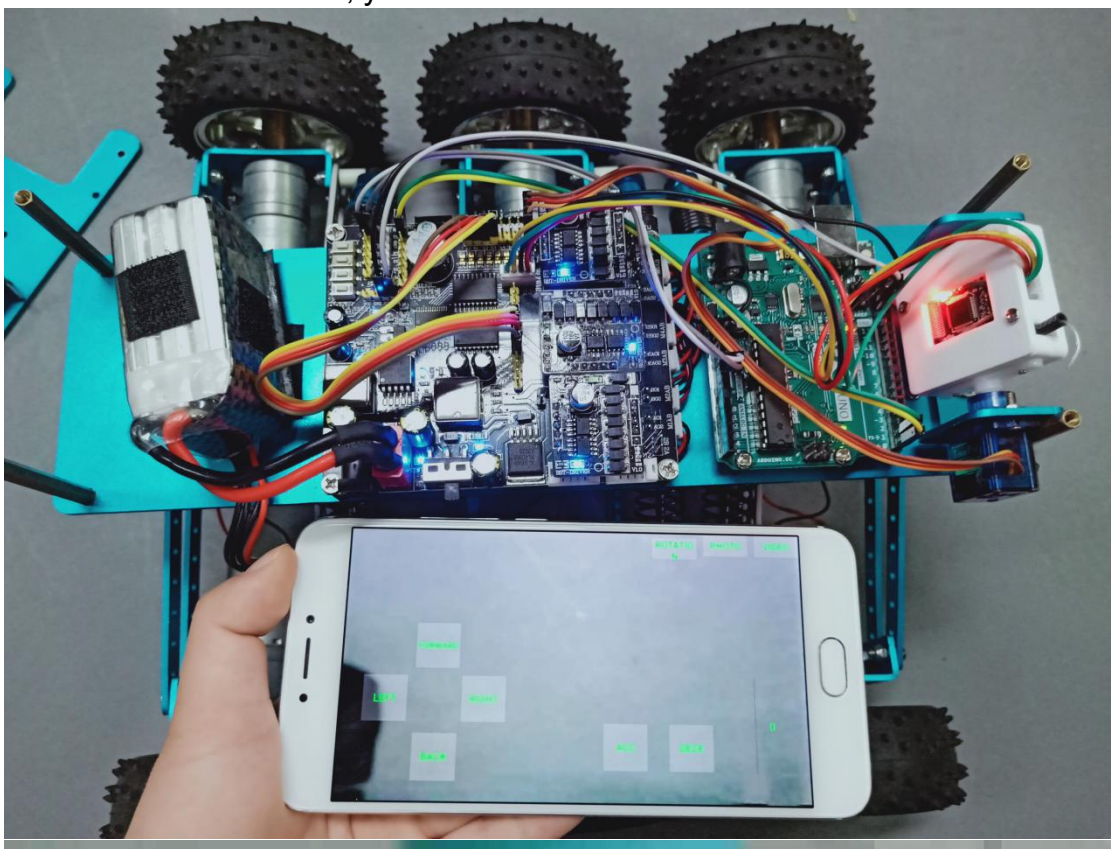
4. You need to connect the wifi camera module and unplug the Bluetooth module.As shown below.

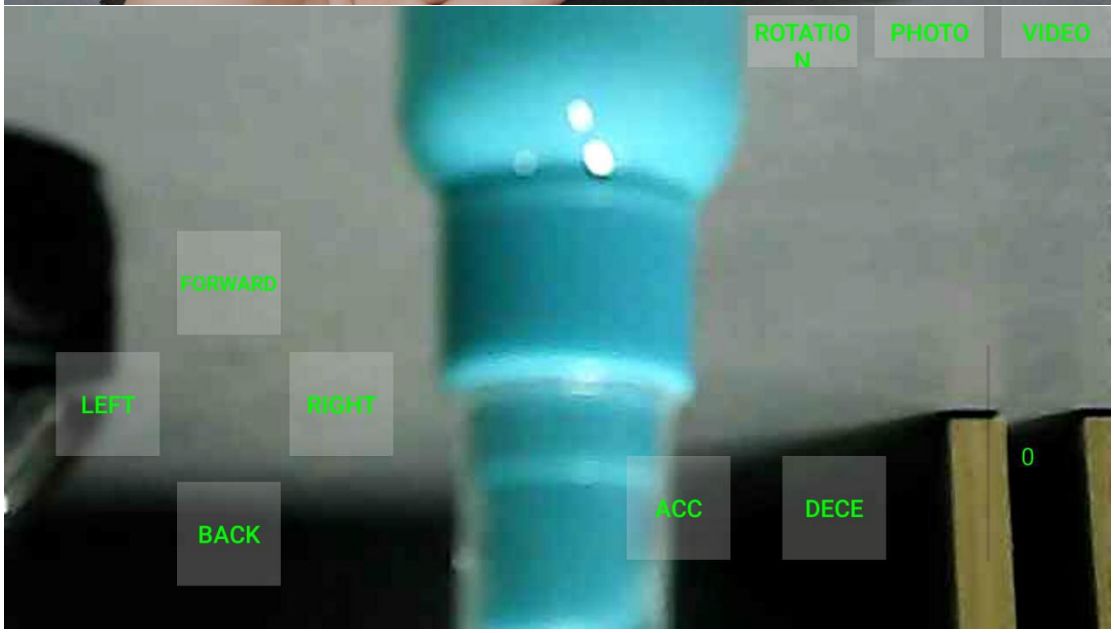


5. After charging is complete. You need to open the power switch of the 6WD robot car, and connect your phone to the Yahboom_WIFI of the robot car. No need to enter the password. As shown below.

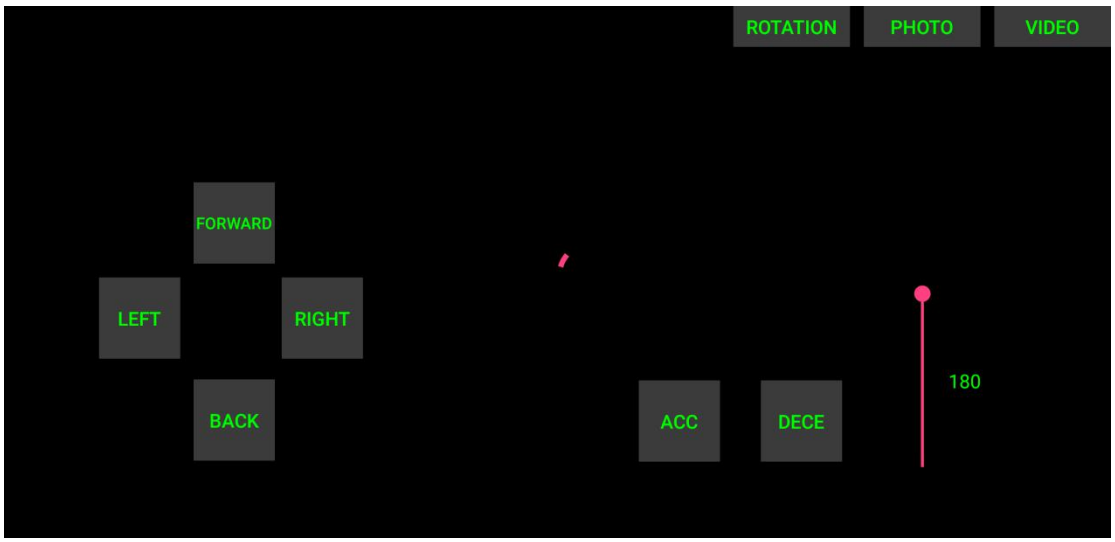


6. You need to open the WIFI control APP. After opening the app, you will see the screen shown below, you can start the remote control car.





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: ≥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