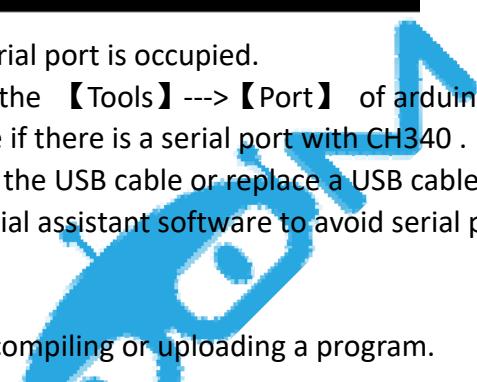


Solutions to common problems

Q1: If you code “Done compiling” normally, but the “can’t open device error occurred” during uploading code, and the can not upload successfully.



```
An error occurred while uploading the sketch
Sketch uses 924 bytes (2%) of program storage space. Maximum is 32
Global variables use 9 bytes (0%) of dynamic memory, leaving 2039
An error occurred while uploading the sketch
avrduude: ser_open(): can't open device "\.\COM32": The system can
```

A: The reason may be that the wrong serial port or serial port is occupied.

Solution: First, we need to re-select the serial port to the 【Tools】--->【Port】 of arduino IDE. If it is not enough, please open the device manager to see if there is a serial port with CH340 . If not, please restart the Omniduino car, then, re-plug the USB cable or replace a USB cable. If there is a serial port number, we can close other serial assistant software to avoid serial port occupation.

Q2: System prompt “No such file or directory” when compiling or uploading a program.



```
Adafruit_PWM_Servo_Driver.h: No such file or directory

CarRun:2:10: error: Adafruit_PWM_Servo_Driver.h: No such file or directory

#include <Adafruit_PWM_Servo_Driver.h>

^~~~~~
compilation terminated.

exit status 1
Adafruit_PWM_Servo_Driver.h: No such file or directory
```

A: If there is a similar error, indicating that the library file is missing. Please copy the library files required by the Omniduino car to the library file directory compiled by Arduino IDE.

Solution:please see the tutorial in the 【3.Development Environment Construction】---【4.Add additional library files】

Q3: After clicking the upload button, the upload is always displayed, but it can't be uploaded successfully for a long time.

Problem uploading to board. See <http://www.arduino.cc/en/Guide/Troubleshooting#upload> for suggestions

avrduude: stk500_recv(): programmer is not responding
avrduude: stk500_getsync() attempt 4 of 10: not in sync: resp=0xec
avrduude: stk500_recv(): programmer is not responding
avrduude: stk500_getsync() attempt 5 of 10: not in sync: resp=0xec
avrduude: stk500_recv(): programmer is not responding
avrduude: stk500_getsync() attempt 6 of 10: not in sync: resp=0xec
avrduude: stk500_recv(): programmer is not responding
avrduude: stk500_getsync() attempt 7 of 10: not in sync: resp=0xec
avrduude: stk500_recv(): programmer is not responding
avrduude: stk500_getsync() attempt 8 of 10: not in sync: resp=0xec
avrduude: stk500_recv(): programmer is not responding
avrduude: stk500_getsync() attempt 9 of 10: not in sync: resp=0xec
avrduude: stk500_recv(): programmer is not responding
avrduude: stk500_getsync() attempt 10 of 10: not in sync: resp=0xec
Problem uploading to board. See <http://www.arduino.cc/en/Guide/Troubleshooting#upload> for suggestions

A: Because the uploading program and the WIFI camera communication is realized through the serial port, when the serial port is occupied by the WIFI camera, and the program cannot be uploaded.

Solution:

- ① Unplug the USB cable, turn off the power of the car, wait for the D2 indicator to go out.
- ② Then, plug in the USB data cable. At this time, your mobile phone should not connect the WiFi signal of the car.
- ③ You can upload the program to the car according to the normal steps.
- ④ After the program is successfully uploaded, unplug the USB data cable, open the power switch of the car. The corresponding experimental phenomenon will appear.

(Tip: If you upload APP control program. After the program is successfully uploaded, unplug the USB data cable, open the power switch of the car. Mobile phone connect the car to the WiFi signal, and then open the APP to control.)

Q4: if you check the code syntax is no problem, but system prompt “multiple definition” during compiling.

Error compiling for board Arduino/Genuino Uno.

libraries\Adafruit_PWMServoDriver\Adafruit_PWMServoDriver.cpp.o (symbol from plugin): .text+0x0: multiple definition of `Adafruit_PWMServoDriver::Adafruit_PWMServoDriver()' sketch\Adafruit_PWMServoDriver.cpp.o (symbol from plugin):(.text+0x0): first defined here

A: This question is a duplicate definition, arduino IDE detects that there are two library files.

Solution:

Please check the program project directory, the build directory, and the libraries in the arduino IDE installation directory for duplicate files. If have multiple definition, you only need save one.

Q5: There is no WIFI signal after the car is turned on, or the APP button is controlled to restart the

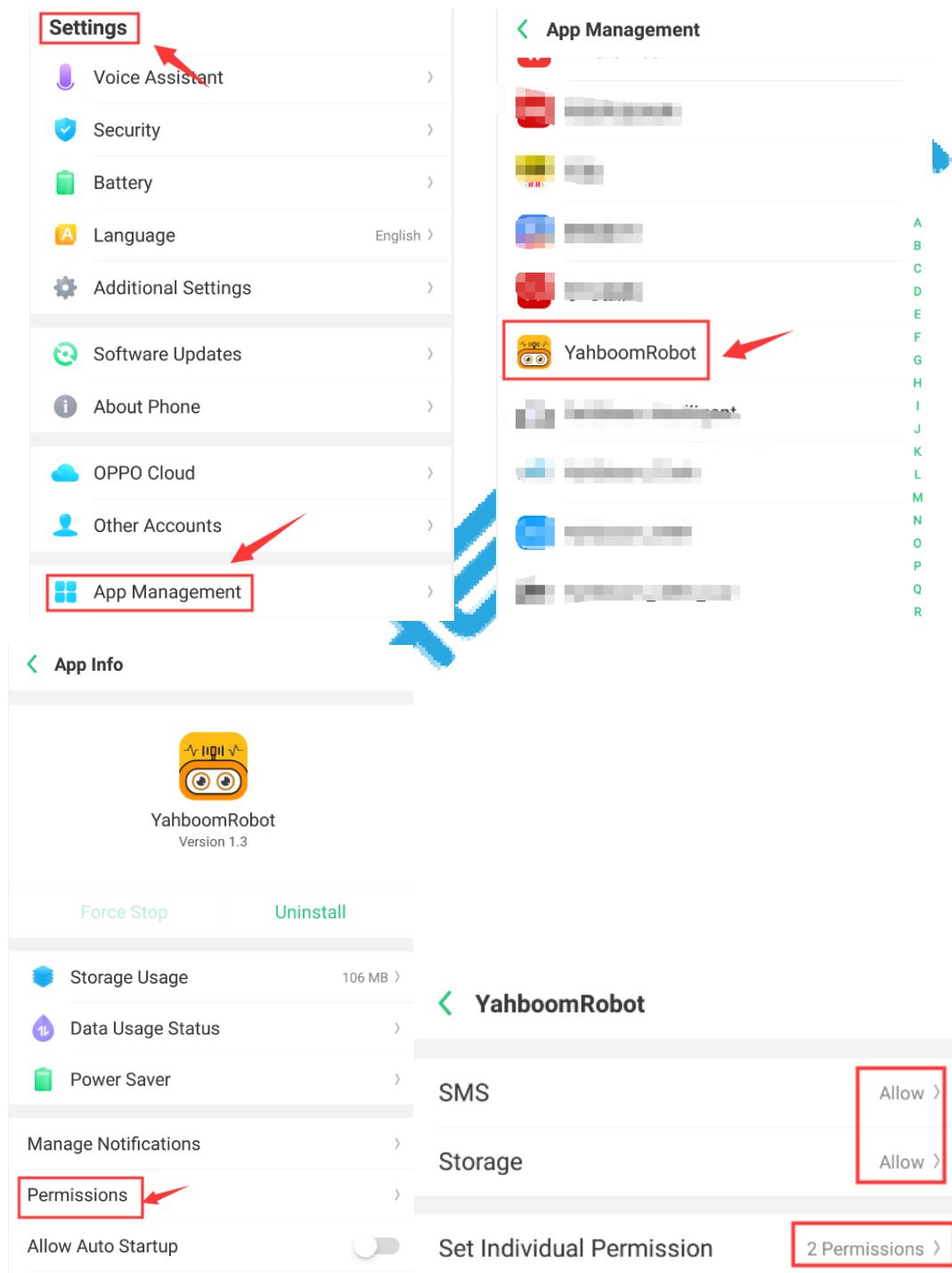
car.

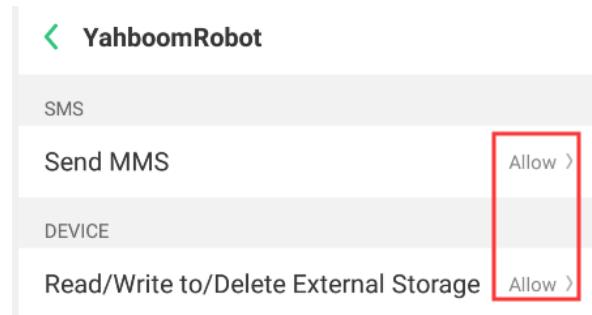
A: The car may have too low battery power, which is not enough to supply the car. Please try to connect the charger to the charger and try it.

Q6: When we click APP related button to take a photo or video, it failed.

A: Open the APP's permission settings to allow access to the geographic location and read and write access to the SD card.

The steps are as shown below:





! ! All options have permissions that are all open in the same way.

Q7: After taking a photo/video, you can not find pictures and videos.

A: After the video recording is successful, the file save location will pop up on the interface. Android phone can open the 【file manager】--【storage】---【MediaStream folder】 , pictures and videos are placed in this folder.

Q8: When you open the power switch, but the car cannot be powered. The D2 indicator does not light and cannot be charged when the power supply is plugged in.

A: The car has two power switches, one is the power switch that comes with the car main board, and the other is the switch of the battery box. Please confirm that both switches are set to "ON" side. Be sure to turn the switch on the battery box to the "ON" side when charging, otherwise it will not be charged.

