

**Yahboom\_4WD\_image = Raspbian image + Yahboom\_4WD\_code + camera drive process.**

Separate camera driver tutorial Link:<http://www.yahboom.net/study/camera>

### Case 1--- If you use Yahboom\_4WD\_image

If you are using the image we provided. Because the Bluetooth process is already enabled in our image, it will consume the resources of the Raspberry Pi CPU. You need to close the Bluetooth APP process before you run other programs manually.

1. Input following command to view APP remote control process.

**ps -ef|grep bluetooth\_control**

```
pi@yahboom4wd:~$ ps -ef|grep bluetooth_control
pi      793    792  26 10:23 ?        00:02:12 ./bluetooth_control
pi     1217   1112    0 10:31 pts/1    00:00:00 grep --color=auto bluetooth_control
pi@yahboom4wd:~$
```

**ps -ef|grep mjpg\_streamer**

```
pi@yahboom4wd:~$ ps -ef|grep mjpg_streamer
root      595    592    0 21:12 ?        00:00:00 ./mjpg_streamer -i ./input_uvc.s
o -o ./output_http.so -w ./www
pi      1104   1096    0 21:16 pts/0    00:00:00 grep --color=auto mjpg_streamer
pi@yahboom4wd:~$
```

For example, my bluetooth\_control process ID is 793, mjpg\_streamer process ID is 595

2. Input following command to kill APP remote control process.

**sudo kill -9 ID**

After closing the process, when you view bluetooth\_control progress again, you will find that it no longer exists. As show below.

sudo kill -9 793

sudo kill -9 595

```
pi@yahboom4wd:~$ sudo kill -9 793
pi@yahboom4wd:~$ ps -ef|grep bluetooth_control
pi     1232   1112    1 10:34 pts/1    00:00:00 grep --color=auto bluetooth_control
pi@yahboom4wd:~$
```

```
pi@yahboom4wd:~$ sudo kill -9 595
pi@yahboom4wd:~$ ps -ef|grep mjpg_streamer
pi      1115   1096    0 21:16 pts/0    00:00:00 grep --color=auto mjpg_streamer
pi@yahboom4wd:~$
```

(Note! Different Raspberry Pi process numbers are different. Please refer to the process shown in your own system)

3. Finally, you run each code normally.

### Case 2-- If you use Raspbian image

1. You need to remote transfer code we provided into Raspbian image and run them.

A. You can click the place shown below to download all the code. After the download is complete, you will get a compressed file, you need to press it to get the folder.


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- 2.Development environment
- 3.Experimental tutorial
- 4.Battery and charging
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- 6.Contact us
- 7.APP Download

**Download**

- APP(Android)
- Code**
- PC
- SCH
- Download image
- Tools
- Instruction Manual
- Bluetooth4.0 communication protocol

## Welcome to Raspberry pi 4WD repository



B. The program corresponding to this course can be downloaded at the top of each course, or you can download it from there.

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## Welcome to Raspberry pi 4WD repository

### 3.1 Color\_LED

ColorLED.c Download
  
ColorLED.py Download

### 1.Raspberry Pi platform-----Color\_LED

#### 1) Preparation



2. Please refer to [2.Development environment]--[2.4 Remote transfer file] to transfer code into Raspberry Pi system.
3. Then, you can run code.