

# RGB light control

---

## 1. Experimental purpose

---

To realize the RGB light control of the car. **When controlling the RGB light of the car, the car must maintain a standing balance, otherwise the desired control effect cannot be achieved**

## 2. Experimental path source code

---

Enter the system of the car, end the car program, enter "ip (ip is the ip of the car): 8888" in the browser, enter the password "yahboom"



Password:

Then log in

Enter the path of **Rider-pi\_class/2.Basic Control Ooperations/6.RGB lamp control** and run **RGB Control.ipynb**.

## 3. Experimental phenomenon

---

After running the code, you can see the corresponding phenomenon

Drag the corresponding color bar to make the RGB light show different colors.

## 4. Main source code analysis

---

```
def set_rgb(R, G, B):  
    g_car.rider_led(1, [R,G,B])  
    g_car.rider_led(2, [R,G,B])  
    g_car.rider_led(3, [R,G,B])  
    g_car.rider_led(4, [R,G,B])
```

The 1, 2, 3, and 4 in this function represent the colors of different lights. The three parameters R, G, and B represent different colors 0-255, 0: minimum color value 255: maximum color value.