Control RGB light

1. API Introduction

The API corresponding to RGB light is: Arm_RGB_set(R, G, B)

Function: Set the color of the RGB light.

Parameter explanation:

R: Control the brightness of the red color of the RGB light, the range is 0-255, the larger the value, the brighter the brightness.

G: Control the brightness of the green color of the RGB light, the range is 0-255, the larger the value, the brighter the brightness.

B: Control the brightness of the blue color of the RGB light, the range is 0-255, the larger the value, the brighter the brightness.

Return value: None.

2. Code content

Code path:

```
~/dofbot_pro/dofbot_ctrl/scripts/01.rgb.ipynb
```

```
#!/usr/bin/env python3
#coding=utf-8
import time
from Arm_Lib import Arm_Device

# Get the robot arm object
Arm = Arm_Device()
time.sleep(.1)

def main():
while True:
Arm.Arm_RGB_set(50, 0, 0) # RGB lights up red
time.sleep(.5)
Arm.Arm_RGB_set(0, 50, 0) # RGB lights up green
time.sleep(.5)
Arm.Arm_RGB_set(0, 0, 50) # RGB lights up blue
time.sleep(.5)

print(" END OF LINE! ")

try :
main()

except KeyboardInterrupt:
# Release the Arm object Release the Arm object
del Arm
print(" Program closed! ")
pass
```

Open the code file from jupyter lab and click the Run the entire notebook button on the jupyter lab toolbar. You can see that the RGB light on the robotic arm expansion board turns red, green, and blue every 0.5 seconds.

If you want to exit, click the stop button on the toolbar.