

# Unit Fader

## Example

Read the original data of the sliding potentiometer's active position at 12 bits



```
from m5stack import *
from m5stack_ui import *
from uiflow import *
import unit

screen = M5Screen()
screen.clean_screen()
screen.set_screen_bg_color(0xFFFFFF)
fader_0 = unit.get(unit.FADER, unit.PORTB)

fader_0.setColor(1, 0xff0000)
while True:
    print((str('darw:') + str((fader_0.readraw12()))))
    wait_ms(2)
```

## API



```
fader_0.setColor(1, 0xff0000)
```

- Set the color of a specified LED index



```
fader_0.setColorAll(0xff0000)
```

- Set the color of all LEDs



```
fader_0.setColorAll(0xff0000)
```

- Set the color of all LEDs
  - Palette
  - RGB
  - Hex

Set **fader\_0** from **1** to **5** RGB color 

```
fader_0.setColorFrom(1, 5, 0xff0000)
```

- Set the color of a range of LEDs (from to)

Set **fader\_0** from **1** to **5** RGB color **Palette** 

```
fader_0.setColorFrom(1, 5, 0x000000)
```

- Set the color of a range of LEDs (from to)

Set **fader\_0** from **1** to **5** R **0** G **0** B **0**

```
fader_0.setColorFrom(1, 5, 0x000000)
```

- Set the color of a specified LED index

Set **fader\_0** index **1** RGB color **Palette** 

```
fader_0.setColor(1, 0xff0000)
```

- Set the color of a specified LED index

**fader\_0** readraw12

```
print((str('rew(12) data:') + str((fader_0.readraw12()))))
```

- Read 12-bit raw data from the sensor

**fader\_0** readraw16

```
print((str('rew(16) data:') + str((fader_0.readraw16()))))
```

- Read 16-bit raw data from the sensor

fader\_0 ▾ set brightness 0

```
fader_0.setBrightness(0)
```

- Set the brightness of all LEDs

fader\_0 ▾ set bright POT

```
fader_0.setBrightPOT()
```

- Adjust the brightness potentiometer

fader\_0 ▾ set color POT led num 1

```
fader_0.setColorPOT(1)
```

- Set the number of adjustable LEDs for the brightness potentiometer