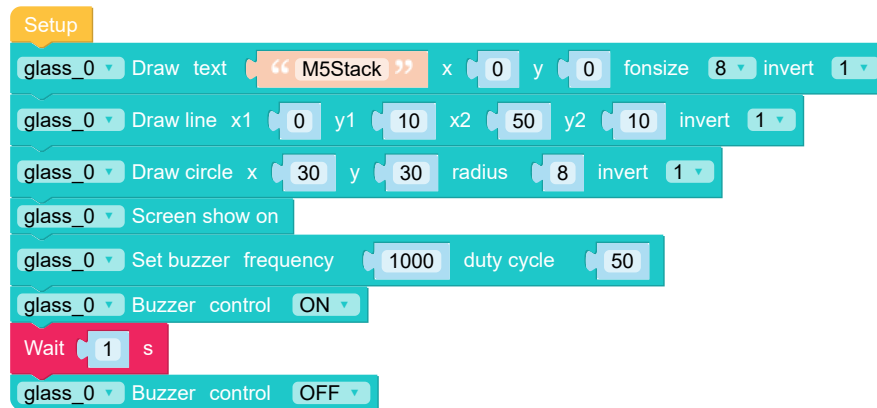


Unit Glass

Example

Draw text, lines, circles and wake the buzzer



```
from m5stack import *
from m5ui import *
from uiflow import *
import time
import unit

setScreenColor(0x222222)
glass_0 = unit.get(unit.GLASS_OLED, unit.PORTA)

glass_0.draw_text('M5Stack', 0, 0, 8, 1)
glass_0.draw_line(0, 10, 50, 10, 1)
glass_0.draw_circle(30, 30, 8, 1)
glass_0.disp_show()
glass_0.buzzer_freq(1000, 50)
glass_0.buzzer_ctrl(1)
wait(1)
glass_0.buzzer_ctrl(0)
```

API

glass_0 Buzzer control ON

```
glass_0.disp_ctrl(1)
```

- Set screen display switch
 - 1:ON
 - 0:OFF

glass_0 ▾ Set buzzer frequency 1000 duty cycle 50 ▾

```
glass_0.buzzer_freq(1000, 50)
```

- Set buzzer frequency and duty cycle

glass_0 ▾ Display screen colour NORMAL ▾

```
glass_0.colour_reverse(0)
```

- Set screen color (normal display or inverted color)
 - 1: NORMAL
 - 0: REVERSE

glass_0 ▾ Screen clear

```
glass_0.disp_clear()
```

- Clear screen display

glass_0 ▾ Display screen control ON ▾

```
glass_0.disp_ctrl(1)
```

- Set screen display switch (repeated but might be for emphasis)
 - 1: ON
 - 0: OFF

glass_0 ▾ Display show NORMAL ▾ flip 0 ▾

```
glass_0.disp_invert(0, 0)
```

- Set display mode, normal or inverted
 - 1: NORMAL
 - 0: REVERSE
 - flip: (0°/180°) for flipping the display vertically

glass_0 Screen show on

```
glass_0.disp_show()
```

- Turn on screen display switch

glass_0 Draw circle x 0 y 0 radius 5 invert 1

```
glass_0.draw_circle(0, 0, 5, 1)
```

- Draw a circle, input radius and coordinates

glass_0 Draw line x1 0 y1 0 x2 10 y2 10 invert 1

```
glass_0.draw_line(0, 0, 10, 10, 1)
```

- Draw a line, input coordinates from point to point

glass_0 Draw pixel x 0 y 0 invert 1

```
glass_0.draw_pixel(0, 0, 1)
```

- Input pixel for display

glass_0 Draw text " " x 0 y 0 fontsize 8 invert 1

```
glass_0.draw_text(' ', 0, 0, 8, 1)
```

- Display text, input coordinates and font size

glass_0 Get button A status

```
print(glass_0.get_button_status(0))
```

- Get the state of buttons

glass_0 Get firmware version

```
print(glass_0.get_firmware_version())
```

- Get the firmware version