

# KMK FW - LED (Mono color backlight)

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Want your keyboard to shine? Add some lights!

## Enabling the extension

The only required values that you need to give the LED extension would be the `led_pin`. It can either be a single board pin, or a list of pins for multiple LED's.

```
from kmk.extensions.LED import LED
import board

led = LED(led_pin=[board.GP0, board.GP1])
keyboard.extensions.append(led)
```

## [Keycodes]

Key	Aliases	Description
KC.LED_TOG()		Toggles LED's
KC.LED_INC()		Increase Brightness
KC.LED_DEC()		Decrease Brightness
KC.LED_SET()		Set Brightness
KC.LED_ANI		Increase animation speed
KC.LED_AND		Decrease animation speed
KC.LED_MODE_PLAIN	LED_M_P	Static LED's
KC.LED_MODE_BREATHE	LED_M_B	Breathing animation

Keycodes with arguments can affect all, or a selection of LED's.

```
# toggle all LEDs
LED_TOG_ALL = KC.LED_TOG()

# increase brightness of first LED
LED_INC_0 = KC.LED_INC(0)

# decrease brightness of second and third LED
LED_DEC_1_2 = KC.LED_DEC(1,2)
```

# Configuration

All of these values can be set by default for when the keyboard boots.

```
from kmk.extensions.led import AnimationModes
led = LED(
    led_pin=led_pin,
    brightness=50,
    brightness_step=5,
    brightness_limit=100,
    breathe_center=1.5,
    animation_mode=AnimationModes.STATIC,
    animation_speed=1,
    user_animation=None,
    val=100,
)
```