

LED (Mono color backlight)

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.

```
```python
```

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

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

[Keycodes]

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

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

```
```python
```

```
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.

```
```python
```

```
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,
)
```

```
```
```