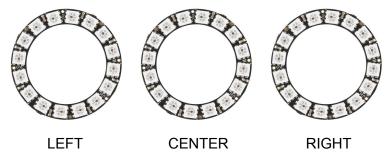
Neopixel basic colors:





SCHEME:

Power up

Green left ring lower and upper Green first led center ring Light red right ring

Manta M8P wiring

IN	VCC	GND	PIN#	
Left/Center	Pink	Red	Brown	PC6
Right	Yellow	Green	Blue	PA9

Bed heat - lower left ring

Yellow progress sequence during warm up Red when at temp

Extruder heat - upper left ring

Yellow progress sequence during warm up Red when at temp

Print progress - center ring

Blue progress sequence

Failure - right ring

Red flashing for errors

Red while extruder and bed are above 50C warning against a power shutdown

1. Install:

cd ~

git clone https://github.com/julianschill/klipper-led_effect.git cd klipper-led_effect
./install-led_effect.sh

2. Add to printer.cfg

[include led_configuration.cfg]

[neopixel left]

pin: PC6

chain_count: 32 initial_red: 0 initial_green: 0 initial_blue: 0

[neopixel right]

pin: PA9

chain_count: 16 initial_red: 0 initial_green: 0.2 initial_blue: 0.2

3. Create led_configuration.cfg:

[led_effect panel_idle]

autostart: true frame_rate: 24

leds:

neopixel:left (4,5,12,13)

layers:

breathing 10 0 top (.1,.2,0)

[led_effect power_idle]

autostart: true frame_rate: 24

leds:

neopixel:right (1,3,5,7,9,11,13,15)

layers:

breathing 10 0 top (0.2,0.05,0.0)

[led_effect progress_idle]

```
autostart:
                  true
frame_rate:
                    24
leds:
  neopixel:left (17,32)
layers:
  breathing 10 0 top (0.01,.01,.03)
[led_effect bed_effects]
leds:
 neopixel:left (1-8)
 neopixel:right (2,4,6,8,10,12,14,16)
autostart:
                          true
                            24
frame_rate:
heater:
                          heater_bed
layers:
  heater 50 0 add (.1,0,0)
[led_effect extruder]
leds:
  neopixel:left (9-16)
  neopixel:right (2,4,6,8,10,12,14,16)
autostart:
                          true
frame_rate:
                            24
heater:
                          extruder
layers:
  heater 50 0 add (.1,0,0)
[led_effect progress_bar]
leds:
  neopixel:left (18-32)
autostart:
                          true
frame_rate:
                            24
layers:
  progress -1 0 add
                           (0, 0, .1), (0, 0.1, 0.6)
[led_effect critical_error]
leds:
  neopixel:right (2,4,6,8,10,12,14,16)
layers:
               1 1.5 add
                               (1.0, 1.0, 1.0)
  strobe
  breathing
                2 0
                       difference (0.95, 0.0, 0.0)
autostart:
                            false
frame_rate:
                              24
run_on_error:
                               true
```