HYPERION

MANUAL

Part #: HP-FPLED2812MCU

RGB 8 LEDs Board 5V WS2812B w/MCU

It comes as a single stick with 8 individually addressable RGB LEDs & STM MCU assembled. It provides dual control modes, can be used for decorating the FPV Quad-rotors.

Features & Spec.

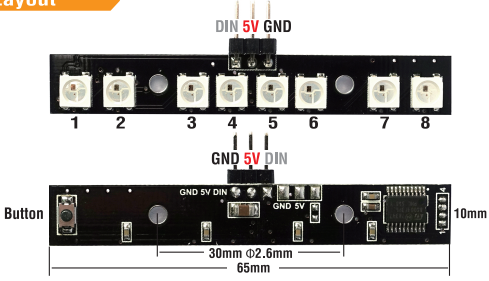
- Built-in 8pcs RGB LED WS2812B & 1pc MCU
- Dual modes: MCU control & Cleanflight control
- MCU mode: 7 colors (White, Green, Red, Blue, Yellow, Cyan, Magenta)
  4 status (Constant light, Slow flash, Fast flash, Voilent flash)
- CF mode: support CC3D, Naze32, SPRacingF3, etc. with CleanFlight firmware

- Working voltage range: 4.5~5.2V DC
- Power of MCU mode (5V IN): White: 1.8W /0.36A
  Green/Red/Blue: 0.6W/0.12A
  Yellow/Cyan/Magenta: 1.2W/0.24A

- Mounting: 30mm, Φ2.6mm
- Size & Weight: 65x10mm, 3g

How to use

1. Connect the LED strip to 5V power source (Pin 5V & GND).
2. Press the button, scroll through the color within White, Green, Red, Blue, Yellow, Cyan, Magenta.
3. Hold the button 2s to enter the setting of LED mode, then press the button to set it within
   - ⊳ MCU mode (the 1st LED Constant light, Slow flash, Fast flash, Voilent flash)
   - ⊳ CF mode (the 1st LED OFF)
4. The mode will be saved if no action within 10 seconds.

5. If MCU mode is choosed & saved, the color can be altered by pressing the button.
6. If CF mode is choosed & saved, Pls connect the DIN to the Flight Controller.
   - ⊳ CC3D: Pin Motor-5
   - ⊳ Naze32: RC5 pad
   - ⊳ SPRacing F3: LED_STRIP pad
   - ▶ Pls set the LED status in GUI according to CleanFlight guide.
7. If the LED status is garbled when setting CF mode to MCU mode, pls move the DIN & re-energize it.

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