

# RGB LED STRIP

www.kitronik.co.uk/3561



The RGB LED Strip is a board designed for low power lighting, such as mood lamps or accent lights.

The PCB is approximately 80mm long, 8mm wide, and is provided with a single, M3 mounting hole. The USB connector projects approximately 2mm from the end of the PCB. The underside of the PCB is flat.

The end mounted switch is used to step between patterns and turn off the LEDs. A remote switch can be connected in parallel with the PCB switch to allow remote mounting within an enclosure. The remote switch should be momentary, normally open. Use of a non-momentary switch may result in unpredictable operation.

The board has 4 patterns, selected by pressing the button to step through them:

- A rainbow fade which slowly fades through different colours.
- Pressing the button will stop the fade on the current colour.
- Pressing again will start a brightness fade (up and down) centred around the current colour.
- Another press changes to an RGB chasing pattern.
- A further press turns off the LEDs.

Pressing the button once more will bring the sequence back to the first rainbow fade pattern.

SPECIFICATION	
Number of LEDs	5 full colour RGB LEDs
Operational Supply	5V via micro USB connector
Forward Current	Typically 60mA at 5V, peak < 90mA
User Interface	Single Push button
Colour Patterns	4 – Rainbow, Stop, Breathe, RGB Chase
Mounting	Single M3 hole (3.3mm Dia)

## Layout:

