



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RGB LED for micro:bit MNK00064

The MonkMakes RGB LED for micro:bit provides a colourful add-on to your micro:bit. Connect it up with alligator clips and then use the three outputs of your micro:bit to control the red, green and blue channels to mix up any colour of light you want.

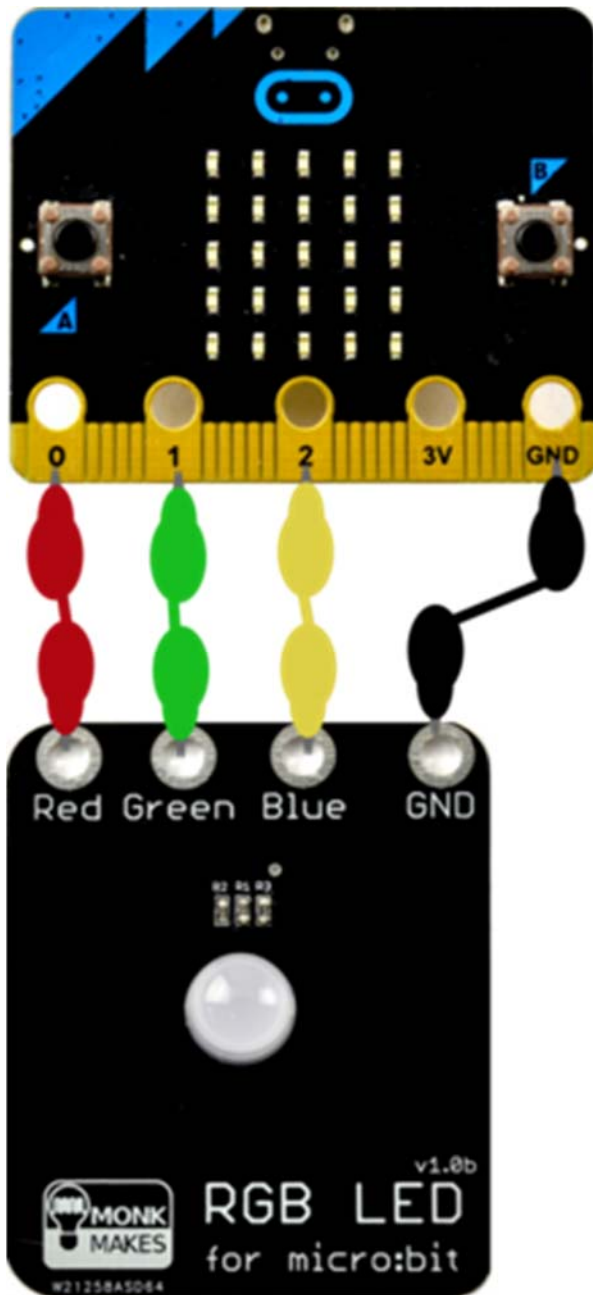
Features

- Easy to connect
- Powered directly from micro:bit pins
- Useful for teaching color mixing.

- **Getting Started**

- Connecting to your micro:bit**

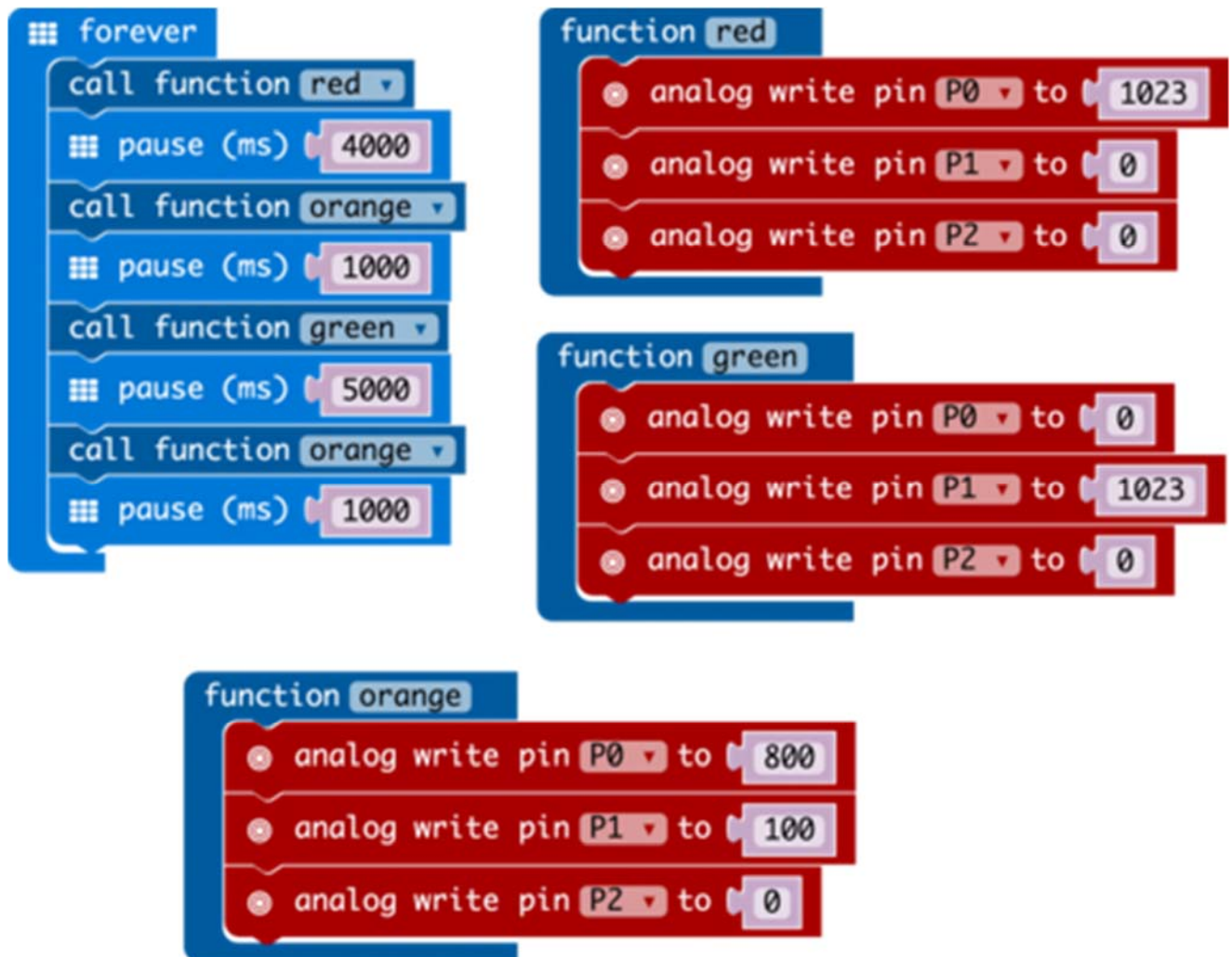
Connect the RGB LED to the micro:bit as shown below. When attaching the alligator clips to the micro:bit, make sure that the clips are perpendicular to the board so that they are not touching any of the neighbouring connectors on the micro:bit edge connector.



JavaScript Blocks Editor

Traffic Signal Example

Click on the example below to open the code in the JavaScript Blocks Editor. Once its running on your micro:bit it will cycle through the colors of a traffic signal.



MicroPython

TRAFFIC SIGNAL EXAMPLE

Paste the following code into the Python window and then Download the file and copy it onto your micro:bit

```
from microbit import *

def set_rgb(red, green, blue):
    pin0.write_analog(red)
    pin1.write_analog(green)
    pin2.write_analog(blue)

while True:
    set_rgb(255, 0, 0)
    sleep(4000)
    set_rgb(800, 100, 0)
    sleep(1000)
    set_rgb(0, 1023, 0)
    sleep(5000)
    set_rgb(800, 100, 0)
    sleep(1000)
```