

<http://picprojects.org.uk>

## RGB LED Moodlight

The pre-programmed PIC microcontroller supplied with the kit contains the RGB101G3 firmware with the following sequences fades / effects.

1. Fade through full colour spectrum
2. Fade through full colour spectrum. 75% intensity, slow
3. Pastel colours fade, fast
4. Pastel colour fade, slow
5. Slow fade Red + Green, 50% to 100%
6. Slow fade Red + Blue, 50% to 100%
7. Slow fade Green + Blue, 50% to 100%
8. Red full intensity, slow fade to off; Green full intensity, slow fade to off; Blue full intensity, slow fade to off.
9. Slow fade of Red to full intensity, slow fade to off; Slow fade of Green to full intensity, slow fade to off; Slow fade of Blue to full intensity, slow fade to off.
10. Slow fade of Red on, slow fade of Green on, slow fade of Red off, slow fade of Blue on, slow fade of Green off, slow fade of Red on, slow fade of Green off.
11. Slow cycle of fade between rainbow of colour, various combinations of Red, Green and Blue on/off at various intensities.
12. Bright White: Red, Green and Blue combination.
13. Half White: Red, Green and Blue combination.
14. Low White: Red, Green and Blue combination.
15. Full colour spectrum fade.
16. Slower full colour spectrum fade.
17. Slow warm colour spectrum fade.
18. Cool colour spectrum fade.
19. Purple colour fades.
20. Red, Green, Blue cycle at 50mS rate.
21. Red, Green, Blue cycle at 100mS rate.
22. Red, Green, Blue cycle at 200mS rate.
23. Red, Green, Blue cycle at 300mS rate.
24. Red, Green, Blue cycle at 400mS rate.
25. Red, Green, Blue cycle at 0.5S rate.
26. Red, Green, Blue cycle at 1S rate.
27. Triple flash of Green and Blue with delay between flashes.