

# RFC1

## WATERPROOF RF RGB LED CONTROLLER

Item ref: 153.768UK

User Manual



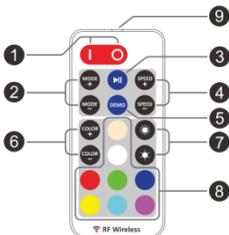
### **WARNINGS:**

This product is intended for professional installation and should be connected by qualified personnel in accordance with electrical safety standards. Ensure that the rated load indicated is not exceeded.

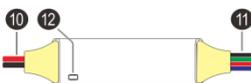
### **Installation**

The red power cable should be connected to power positive and black to negative. The controller unit supports constant voltage driving LED products with common anode connection. The black cable on the output side is the common node which connects to the power supply positive inside the controller. The green, red and blue cable runs the driving signal of relevant LED colour. Connect the colour cables to the cathode of relevant colour LED loads and the black cable to the common node.

### **Functions**



- |                             |                                   |
|-----------------------------|-----------------------------------|
| 1. Turn On/ Standby         | 6. Changing Static Colours        |
| 2. Static and Dynamic Modes | 7. Brightness Adjust              |
| 3. Play / Pause             | 8. Direct Colour Select           |
| 4. Dynamic Speed Adjust     | 9. Remote Controller Signal Light |
| 5. Demo Mode                |                                   |



- |                  |                |                      |
|------------------|----------------|----------------------|
| 10. Power Supply | 11. LED Output | 12. Status Indicator |
|------------------|----------------|----------------------|

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### Status Indicator

<b>Blue</b>	Normal working
<b>Short single white flash</b>	New command
<b>Long single white flash</b>	Reach mode or colour cycle edge
<b>Long single yellow flash</b>	Reach speed or brightness limit
<b>Blue flash</b>	Dynamic mode paused
<b>Red flash</b>	Overload protected
<b>Yellow flash</b>	Overheat protected

### Pairing New Remote

One unit can pair up to 3 remote controllers and every remote can pair with any main unit:

- 1) Plug off the power of main unit and plug in again after 5 seconds.
- 2) Press 'MODE-' and 'SPEED-' key together for 5 seconds after main unit is on. The indicator will then flash white for 3 times to show that the command is accepted, and the main unit can now recognize the new remote. Only the last 3 paired remote controllers can be recognized.

### Free Remote Pairing

The controller unit is also able to be connected with other remotes:

- 1) Plug off the power of main unit and plug in again after 5 seconds.
- 2) Press 'ON' and 'PAUSE' key together for 5 seconds after main unit power on. The indicator will then flash yellow for 3 times to show that the command is accepted, and the main unit can then recognize any remote. To pair the main unit back to specific remote, please repeat the 'Pairing New Remote' operation.

### Dynamic mode patterns

Dynamic Mode	Mode Pattern
Multi color fade	
Single color fade	
Dual color fade	
Multi color blink	
Single color blink	
Single color strobe	

### Specifications

Voltage	5-24V
Temperature	-30C to 80C
IP rating	68
Length	265mm
Dimensions	125 x 90 x 10mm
Weight	25g
Output current	3 x 5A
Protection	Overload / overheat
Remote : Range	>15 metres

*Errors and omissions excepted.  
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