

IMRF1

Item ref: 153.798UK

IN-LINE WIRELESS CONTROLLER FOR RGB LED TAPE

User Manual



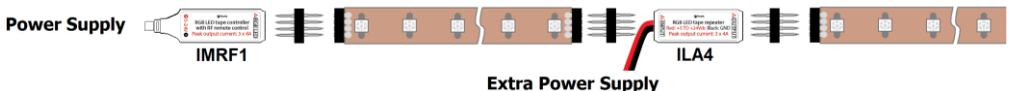
WARNING: This product is intended for professional installation of RGB LED tape and should be connected by qualified personnel in accordance with electrical safety standards. Ensure that the rated load indicated is not exceeded.

Installation

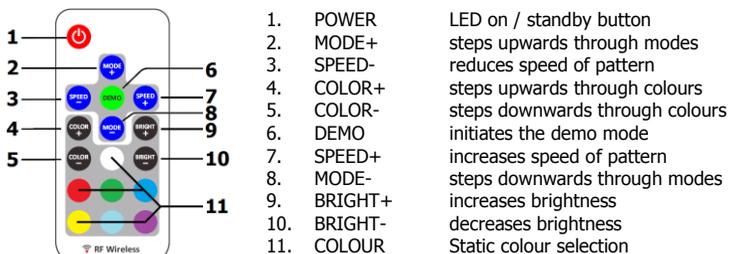
The IMRF1 controller can be employed to control Fluxia RGB LED tape operating from a 5-24Vdc power supply. Maximum short term current load is rated at 3 x 4A. For constant full power output, it is advised to limit this to 3 x 2A load. This would mean that the maximum number of reels that could be operated from the IMRF1 is 1 reel of 156.720UK, 2 reels of 156.721UK, 2 reels of 156.770UK or 4 reels of 156.771UK.

For longer runs, each subsequent 5m reel should be linked using an ILA4 amplifier (153.701UK) The ILA4 also accepts 5-24Vdc and connects from the end of a controlled length of RGB LED tape to the beginning of the next length of RGB LED tape to match the patterns/colours of the first tape. (also 3 x 4A peak, 3 x 2A continuous output)
Using an ILA4 amplifier for each additional reel will also help avoid brightness drops in long runs of tape.

Connection is via a 4-pin coupler, as supplied with Fluxia RGB LED tape. Ensure that the red triangle is connected to "+" or "Common" on the LED tape.



Remote control



1. POWER LED on / standby button
2. MODE+ steps upwards through modes
3. SPEED- reduces speed of pattern
4. COLOR+ steps upwards through colours
5. COLOR- steps downwards through colours
6. DEMO initiates the demo mode
7. SPEED+ increases speed of pattern
8. MODE- steps downwards through modes
9. BRIGHT+ increases brightness
10. BRIGHT- decreases brightness
11. COLOUR Static colour selection

- Remove the clear tab from the handheld remote to engage the battery (replacement CR2025 button cell)
- To switch LEDs on, press the POWER button (from standby, the last setting is resumed)
- If there is no response handset to the controller (see from the handset, it may be necessary to pair the "Pairing" below)
- To test all LED functions, pressing the DEMO button will initiate a full demo programme
- MODE+ and - buttons step through the 19 preset programmes in sequence (shown below)
- SPEED+ or - will alter the rate of change in the selected mode
- COLOR+ or - will override the pattern mode and step through 20 static colours
- BRIGHT+ or - will change the brightness of the selected colour
- Pressing any of the colour buttons offers direct access to that static colour
- Press POWER to enter standby mode (all LEDs off)

Pairing: If the LED controller does not respond to the RF remote handset, disconnect DC power from the controller.

Reconnect the DC power to the controller and within 5 seconds of powering on, hold down the "SPEED-" and "SPEED+" buttons simultaneously.

The controller and handset should now be paired and the controller should respond to the handset.

Preset	Name	Description
1 - 2	Scrolls	2 types of scrolls through full spectrum of colours
3	RGB Glow	Fade between fully on and half through Red, Green, Blue
4	7 Colour Glow	Fade between fully on and half through 7 different colours
5 - 10	Static Glows	Glow presets for Blue, Cyan, Green, Red, White
11	RGB Jump	Switch between Red, Green and Blue
12	6 Colour Jump	Switch between 6 different colours
13	RGB Flash	Flash on and off through Red, Green and Blue
14 - 18	Static Strobes	Regular, very short burst for Blue, Cyan, Green, Red, White
19	RGB Strobe	Regular, very short burst through Red, Green, Blue

Specifications	
Power supply	5-24Vdc, 12A (to supply 3 x 4A max – 50% duty cycle)
Remote control frequency	433MHz
Lead length (power input)	100mm
Connections	DC jack and 4-pin socket (Voltage + / Green / Red / Blue)
Controller dimensions	42 x 13 x 5mm
Weight	4.8g



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
Copyright© 2014. AVSL Group Ltd.*