

## Single Zone Controller - LR-RGB

The single zone RGB controller is used for adjusting the LED strip from a vast pallet of colours and dimming the LED strip from 5% - 100% brightness. There are also 20 colour changing programs available with the ability to adjust speed and brightness. The controller has a touch sensitive wheel and comes with one receiver.



### Feature

- \* 5%-100% Smooth Dimming
- \* Touch sensitive remote & colour Wheel
- \* 20 Automatic Play modes to choose from
- \* Several receivers can be synchronised to one controller
- \* Last settings memory function when powered On
- \* Dimming & colour changing
- \* Wireless RF range of 10 - 20 meters (Dependent on signal obstacles within the installation area)
- \* Remote and receiver supplied together as standard

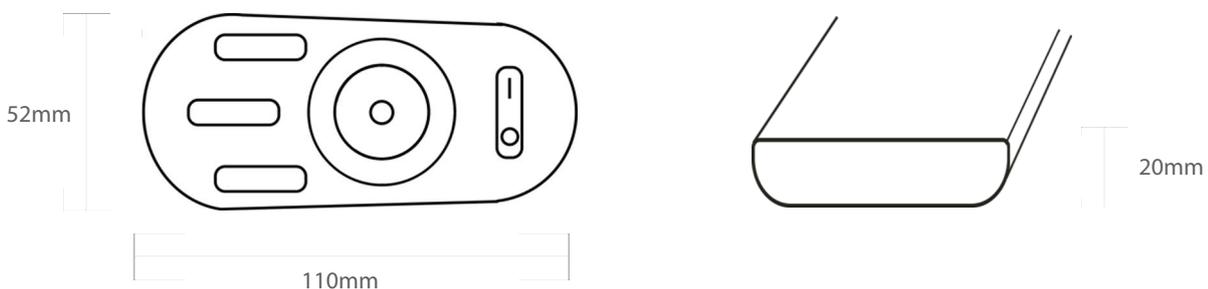
### Parameter

Remote	PART NO.	INPUT VOLTAGE	OPERATION FREQUENCY	DIMENSIONS (mm)	REMARKS
	LR-RGB	3.6VDC	RF.2.46GHZ	52x110x20	2xAAA BATTERIES

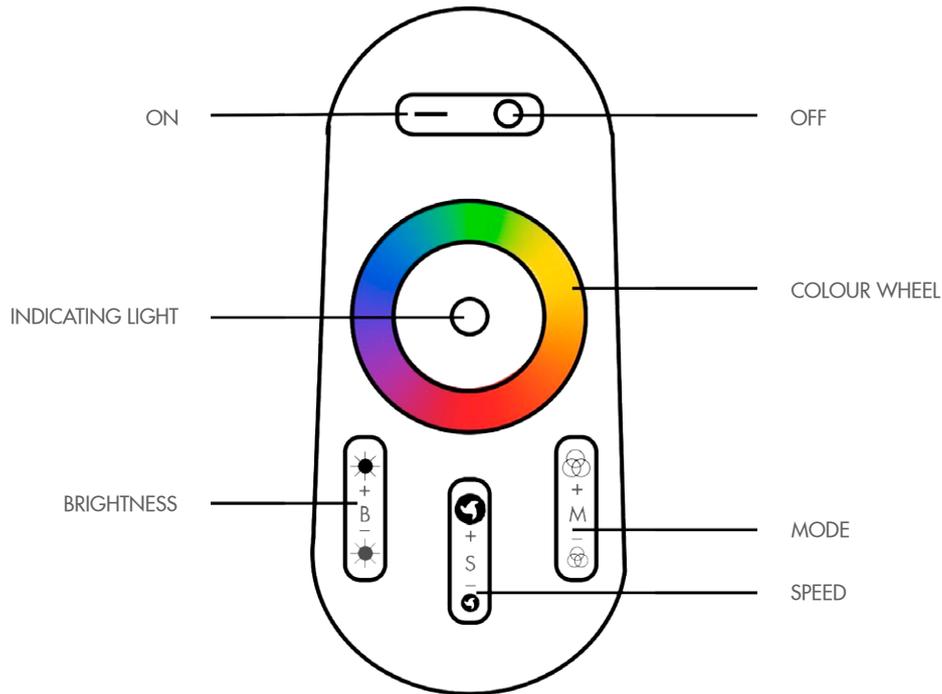
  

Receiver	PART NO.	INPUT VOLTAGE	CURRENT	OUTPUT	REMARKS
	LRR-RGB	12-24VDC	3x6A	3x(72-144)W	RF Receiver

### Product Size



# Controller Layout

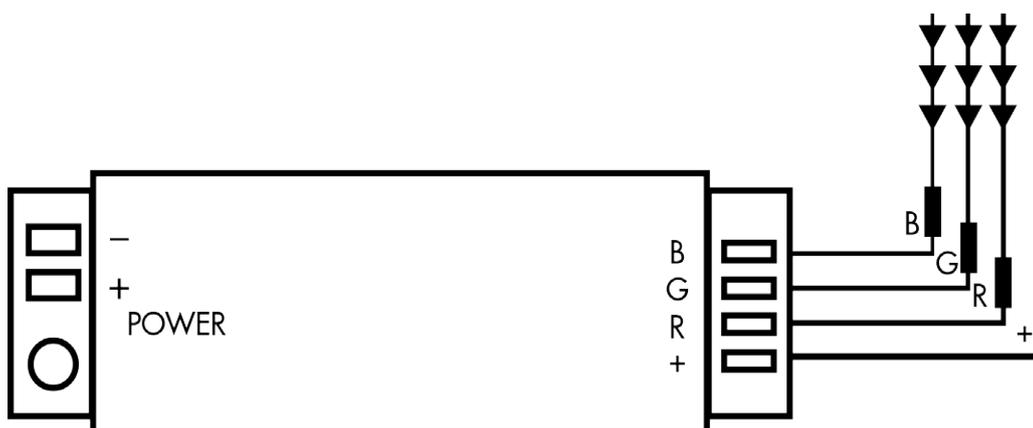


RF technology allows for great flexibility when it comes to controlling simple or complex lighting installations without the need of wiring. There are limitations in some cases due to receivers installed in enclosed electrical boxes or in ceiling voids hence reducing the RF signal strength and the communication range. In order to overcome these RF signal restrictions we suggest the following procedure when synchronising our RF controllers and receivers:

- \* Keep the distance between the controller and the receiver within 10 meters.
- \* When expanding your lighting, we recommend the use of 'power repeater's, if synchronisation of the additional strips is required.
- \* Never synchronise more than 4 receivers to a single zone (if kept on a single colour).
- \* Never synchronise more than 1 receiver to a single zone.

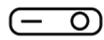
The controller & receiver do not have a MASTER / SLAVE function, meaning if you connect several receivers to the same controller, the LED Strip will become unsynchronised when put into a colour changing programme.

# Receiver Wiring Diagram



# Controlling Your LED Strip

1) Ensure the Remote is ON and touch the colour wheel to select your desired colour



Press the ON button



Then touch the Colour Wheel

2) Adjusting the Brightness

Adjust the brightness of the LED Strip by pressing the increase brightness button 

Decrease the brightness by pressing the decrease brightness button 

3) Selecting Play Modes

Select a play mode by pressing the play mode Buttons  OR  to scroll through different play modes.

To adjust the speed of a mode, press  to accelerate and  to reduce the cycle speed

Number	Mode	Brightness	Speed
1	Static White	Adjustable	Unadjustable
2	White colour gradually changes	Adjustable	Adjustable
3	All colours gradual change	Adjustable	Adjustable
4	Red/Green/Blue colours gradually change	Adjustable	Adjustable
5	Seven colour jump	Adjustable	Adjustable
6	Three colour jump	Adjustable	Adjustable
7	Red/Green jump	Adjustable	Adjustable
8	Red/Blue jump	Adjustable	Adjustable
9	Blue/Green jump	Adjustable	Adjustable
10	White colour frequently flashes	Adjustable	Adjustable
11	White colour strobe	Adjustable	Adjustable
12	Red colour frequently flashes	Adjustable	Adjustable
13	Red colour strobe	Adjustable	Adjustable
14	Green colour frequently flashes	Adjustable	Adjustable
15	Green colour strobe	Adjustable	Adjustable
16	Blue colour frequently flashes	Adjustable	Adjustable
17	Blue colour strobe	Adjustable	Adjustable
18	Yellow colour frequently flashes	Adjustable	Adjustable
19	Yellow colour strobe	Adjustable	Adjustable
20	Circulation of all colours	Adjustable	Adjustable

# Synchronising The Remote To Receiver

**Please Note:** All controllers & receivers sold in a pack are pre-synchronised. There is no need to sync the remote to the receiver.

\*Only follow the instructions below if you are adding another receiver with the same remote

## 1) Turn the Remote ON

a) Press the ON button



b) Ensure the Red indicator light is Active

## 2) Ensure the receiver has power

a) Test the LEDs by powering the LED Driver. The LED Lighting will turn ON.

b) Turn power OFF again.

## 3) Ensure the Remote is still active (Red Light indicator ON)

a) Turn ON the power supply.

b) Press the speed button  within 3 seconds of powering the receiver (Do not keep the button pressed down)

## 4) Just repeat the learning process to synchronise several receivers to the same Controller

# Safety and Warnings

Products must be installed and serviced by qualified electrician

- \* Please ensure this product is mounted in a water proof enclosure
- \* Always ensure products are mounted in areas with adequate ventilation to avoid any overheating.
- \* Please ensure outputs of any power supplies used in conjunction with this product comply with its working voltage.
- \* Never install product whilst connected to power and double check connections before switching on to avoid short circuits.
- \* For any further help or advice please contact Teucer on 0207 350 4429 or find us online at [www.teucerled.co.uk](http://www.teucerled.co.uk)

## Warranty Agreement

- \* 3 Year Warranty: This warranty is for free repair and replacement of the product and covers manufacturing faults only.
- \* Any faults beyond warranty boundaries are subject to charge for parts and labour.

## Warranty Limitations

- \* Any defects caused by negligence, high temperature, humidity or harmful chemicals.
- \* Damage caused by transport, Fire or abnormal voltage surges.