

## LR-2RGB and LRR-2RGB 2 zones RF controller and receiver for RGB LED strip

### Product Description

The LR-2RGB remote enables one to control 2 different Zones of RGB tape, both independently and simultaneously. Featuring a touch colour wheel the LR-2RGB enables the user to scroll through a multitude of different colour options and a variety of effects as well as dim to a low 5% light level.

### Features

- 2 zone RGB controller
- RGB touch colour wheel
- 5%-100% smooth dimming capacity
- Colour play mode with adjustable speed
- Controll each zone separately or simultaneously
- Wireless RF (Radio Frequency) range of 10-20m (depending on signal obstacles within the installation area)

### Technical Specification

Controller	
Order Code	LR-2RGB
Type	RF Remote
Input Voltage	3.6VDC
Operation Frequency	868MHz
Dimension	40x114x6mm (WxLxH)
Power	USB

Receiver	
Order Code	LRR-2RGB
Type	RF receiver
Input Voltage	12-36VDC
Current	2x6A
Output	3x(60-180)W
Note	Constant voltage
Dimension	46x178x22mm (WxLxH)



### Recommendation

RF technology allows for greater flexibility when it comes to controlling simple or complex lighting installations without the need of additional cabling.

There are some limitations where installations have the receivers enclosed in electrical boxes or hidden away in a ceiling, reducing the RF signal strength and therefore the communication range.

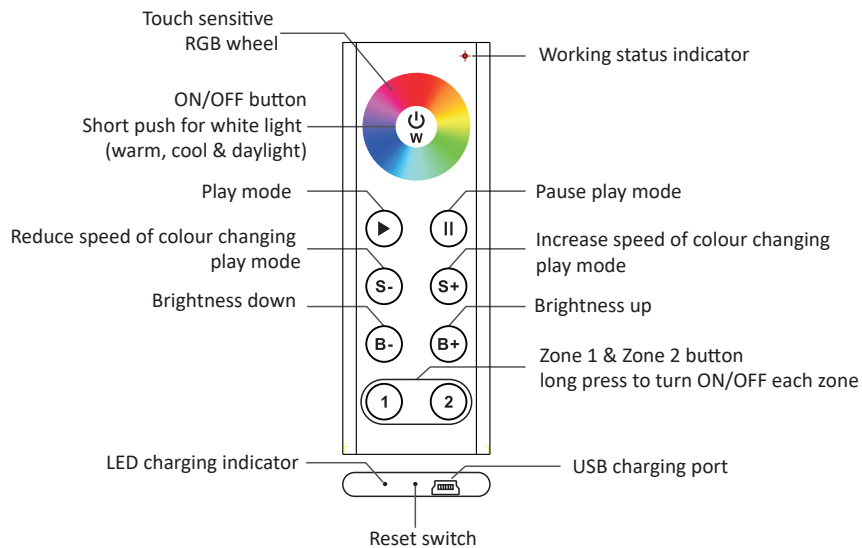
In order to overcome these RF Signal restrictions we suggest the following when synchronising our RF controllers and receivers:

- Keep the distance within 10 meters from the controller to the receiver
- When expanding your lighting, always try and use a signal repeater (PR-RGB), where possible.
- If your installation requires several RF receivers, ensure the “master” receiver is positioned in the middle.

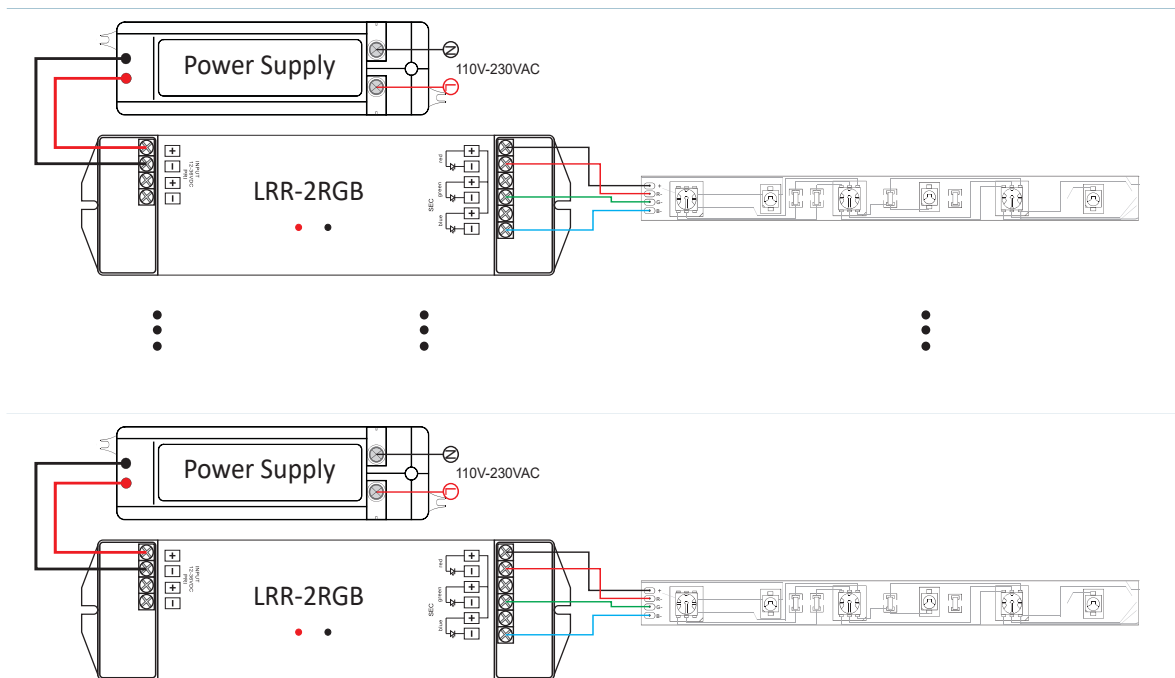
# CONTROLLER AND RECEIVER

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### Controller layout



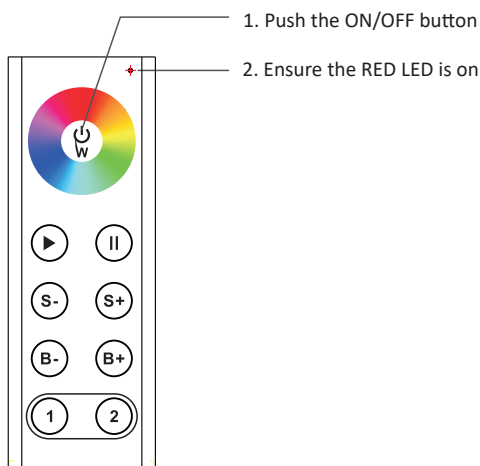
### Receiver wiring diagram



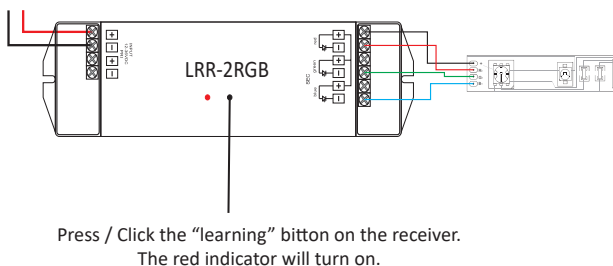
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### Synchronising the remote to receiver

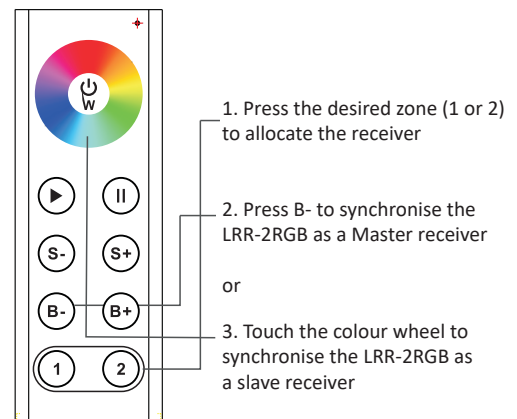
#### 1) Activate the remote



#### 2) Ensure the receiver has power. Press the learning button on the receiver.



#### 3) Ensure the remote is still active (RED lighting indicator ON) and press the zone you wish to allocate the LRR-2RGB receiver. Immediately after, define the receiver as a Master or Slave.



Allocating the receiver as a master or slave is important to ensure the LED Strip and receivers are fully synchronised. Failure to allocate accordingly can result in the LED Strips and receivers going out of sync.

There can be only one master receiver per zone.

#### 4) To synchronise the same receiver to another zone, or alter the receiver from a MASTER/SLAVE, just repeat the above process.

# CONTROLLER AND RECEIVER



Brighter for longer

## LR-2RGB and LRR-2RGB 2 zones RF controller and receiver for RGB LED strip

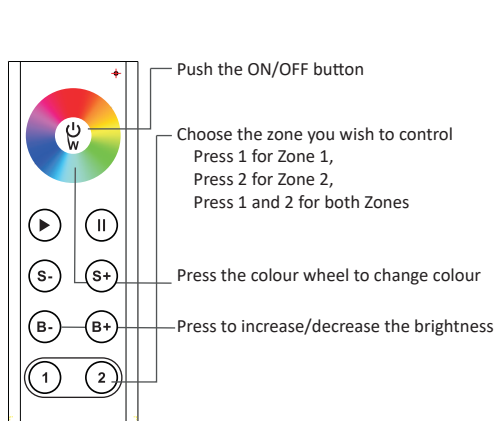
### Controlling your LED strip

LR-2RGB controller allows up to 2 RGB zones to be controlled independently or in unison. Users can change colour in static or play mode.

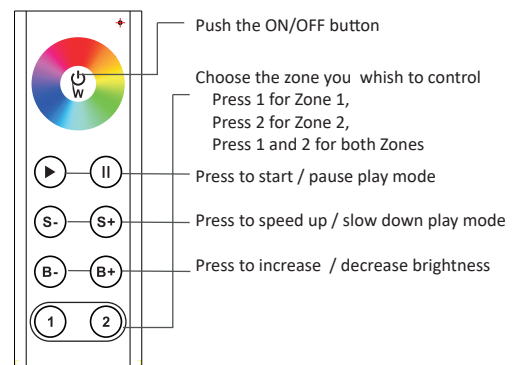
There are 8 levels of brightness, ranging from 5% -100%.

The brightness levels can be adjusted in both static and play mode.

#### Changing the colour - static mode



#### Changing the colour - play mode



### Safety

- Products must be installed and serviced by qualified electrician.
- Please ensure the receiver is mounted in a water proof enclosure if installed in an outdoor environment, avoiding metallic enclosures.
- Always ensure products are mounted in areas with adequate ventilation to avoid overheating.
- Please ensure outputs of any power suppliers 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.

### Warranty

Should this product fail during the 3 year warranty period it will be replaced free of charge, subject to the correct installation of the original product in accordance with applicable and appropriate electrical codes and instructions provided by Teucer, as well as subsequent return of the faulty unit. Teucer does not accept responsibility for any installation costs associated with the replacement of this product and Teucer reserves the right to alter specifications without prior notice. Teucer can offer 5 year warranty upon request. For further information, please see our Terms and Conditions. [www.teucerled.co.uk/terms-and-conditions/](http://www.teucerled.co.uk/terms-and-conditions/)

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