1 Zone RF Remote Control

for RGB and RGBW LED strip

INTALED

LR-RGB/RGBW

Product Description

The LR-RGB/RGBW remote enables control of 1 zone of RGB/RGBW LED strip, featuring a touch colour wheel. This LR-RGB/RGBW controller enables the user to easily adjust the output colour via the scroll wheel.

Technical Specification

Controller	
Order Code	LR-RGB/RGBW
Type	RF Remote
Input Voltage	3VDC
Operation Frequency	2.4GHz
Dimension	58.5x107x9mm (WxLxH)
Power	battery CR2032

Features

- Easy control of RGB/RGBW LED strips
- 2.4GHz wireless technology, remote distance of up to 30m
- Save lighting functions and preferences with scene save
- Receiver Auto-Transmitting function to achieve greater distances between receivers and the remote
- Built-in dynamic play modes with receiver auto-synchronization

Compatible RGB receivers
Technical Specification

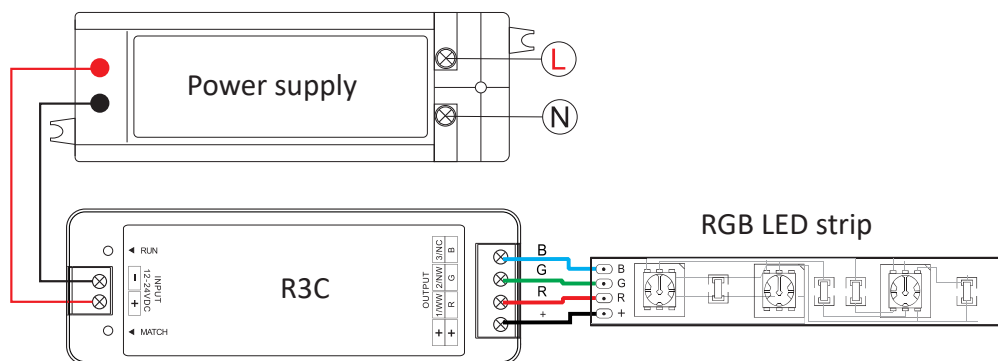| Order code	R3C	R4C
Channels	3 (RGB)	4 (RGBW)
Type	RF receiver	RF receiver
Input Voltage	12-24V DC	12-36V DC
Current	3x4A	4x5A
Output	3X(48-96W)	4X(60-180W)
Note	Constant voltage	Constant voltage
Dimension	33x97x18mm (WxLxH)	45x175x27mm (WxLxH)

R3C

R4C

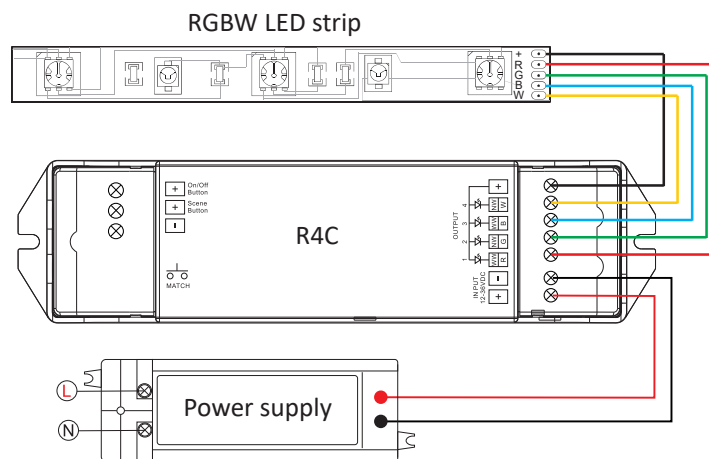# 1 Zone RF Remote Control

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Controller layout
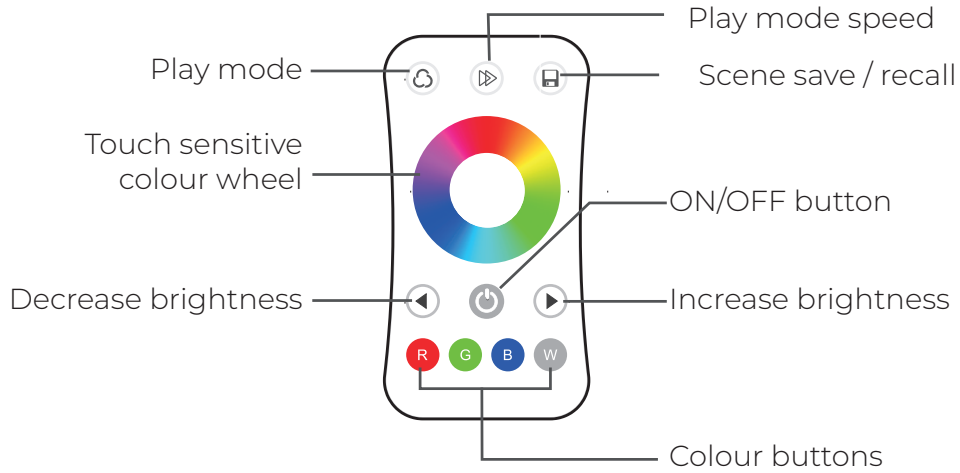
Play mode

Play mode speed

Scene save / recall

Touch sensitive colour wheel

ON/OFF button

Decrease brightness

Increase brightness

R G B W

Colour buttons

RGB Receiver wiring diagram

Power supply

L

N

RUN

INPUT 12-24VDC

R3C

OUTPUT

1/WW 2/NW 3/NC

R G B

+ +

RGB LED strip

B

G

R

+

B

G

R

+

MATCH

RGBW Receiver wiring diagram

RGBW LED strip

+
R
G
B
W

On/Off Button

Scene Button

R4C

OUTPUT

INPUT 12-36VDC

MATCH

Power supply

L

N

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CE RoHS

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Synchronising the remote to receiver

LED Indicator ——
Match button ——

R3C

Match button ——
LED indicator ——

R4C
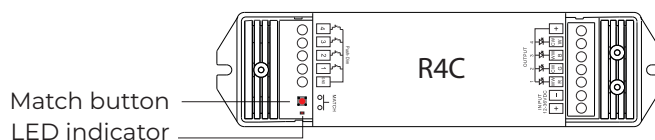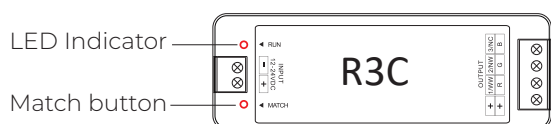
2) Press any button on the remote to allocate the receiver within 5 seconds after pressing the match button. The LED indicator on the receiver will flash rapidly 5 times and then stop flashing. The controller is now synchronised with the receiver.

Press any button to allocate the receiver
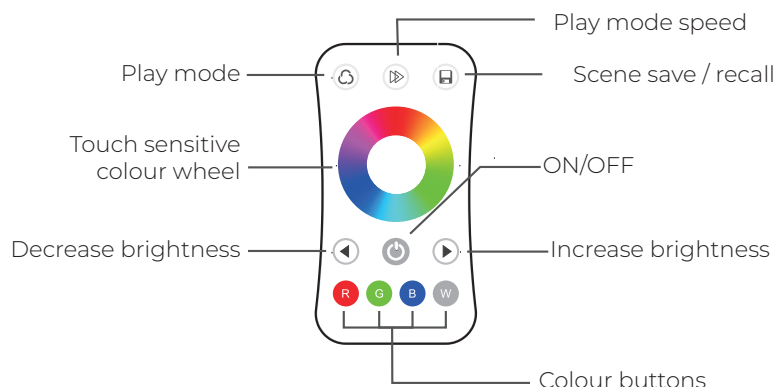
Troubleshoot

Problem	Cause	Corrective
No light	• No power. • Wrong connection or unsecure connection.	• Check the power. • Check the connection.
Wrong Colour	• Wrong connection of RGB/W wires.	• Re trace and reconnect RGB/W wires.
Uneven intensity between front and rear of the strip, with voltage drop	• Output cable is too long. • Cable diameter is too small. • Overload beyond driver capability. • Overload beyond receiver capability.	• Reduce cable or loop supply. • Change to a thicker cable. • Replace with a suitable higher power driver. • Add a power repeater.
No response from the remote	• The battery has no power. • Beyond controllable distance. • The controller isn't synchronised with the remote.	• Replace battery. • Reduce remote to receiver distance. • Re-sync the remote.

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Controlling your LED strip

Play mode speed

Play mode

Scene save / recall

Touch sensitive colour wheel

ON/OFF

Decrease brightness

Increase brightness

Colour buttons

- To change colour, use the colour wheel.
- To mix the individual components of RGB colours, press and hold (R/G/B) colour buttons to increase or decrease that colour.
- To alter the brightness short press the increase / decrease brightness buttons or long press for fine adjustment.
- Press once W button to turn the white colour ON/OFF. To increase/decrease white colour brightness press and hold W button.

- Remote will go into standby mode after few seconds if not being used. Press any key to re-activate the remote.
- There are several dynamic modes, press the play mode button to browse through modes. To choose the mode, press and hold play mode for 2seconds.
- There are 10 speeds for the play modes. Press the speed button to browse through the speed levels and to sync receivers if out of sync.
- Press and hold the speed button to go to the highest speed level.
- To save a favourite colour, press and hold scene buttons.
- To recall saved setup, press scene button.

Please note! 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. The remote can operate up to 30 meters if signal is uninterrupted by obstacles.
- When expanding your lighting, always try and use a signal repeater (PR-RGB(N)), where possible.

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.

Guarantee:

All LED and electrical components carry a 5 year electrical guarantee, All lamps have their own average life span. We recommend all products are installed by NICEIC / registered electrical contractors, failure to do so will result in any guarantee becoming void.

Full Terms & Conditions:

For our full terms and conditions please visit our website - www.intalite.co.uk/terms-conditions

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