

## WP-2TW and LRR-WTC

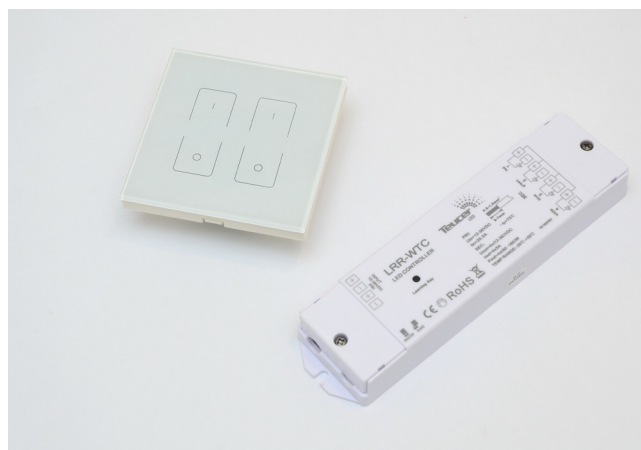
### 2 zone RF & WIFI controller and receiver for single colour LED strip

#### Product Description

Teucer's 2 zone touch panel allows users to control 2 separate zones of lighting from a single wall unit. Using a RF signal to control the LED lighting, removes the need to have additional wiring between the wall panel and the receiver, which allows greater flexibility during installation by reducing installation time and cabling costs.

#### Features

- Smartphone / tablet compatible via Easy Lighting app
- Wireless RF range of 8-15 meters (depending on signal obstacles within the installation area)
- Control 2 zones independently
- Touch sensitive glass
- 5%-100% smooth dimming
- Backlit buttons for night time use



#### Technical Specification

Controller	
Order Code	WP-2TW
Type	RF wall panel, WIFI transmitter
Input Voltage	12-24VDC
Operation Frequency	868MHz
Dimension	86x86x29mm (WxLxH)
Power	10W driver LD-IP10/24

Receiver	
Order Code	LRR-WTC
Type	RF receiver
Input Voltage	12-36VDC
Current	4X5A
Output	4X(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:

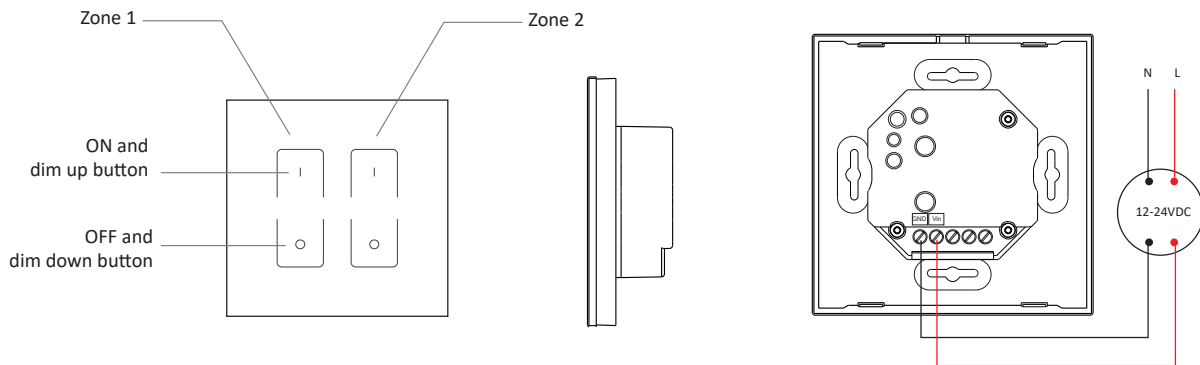
- Keep the distance within 10 meters from the controller to the receiver
- When expanding your lighting, always try and use a signal repeater (PR-RGB), where possible.
- If your installation requires several RF receivers, ensure the "master" receiver is positioned in the middle.

# CONTROLLER AND RECEIVER

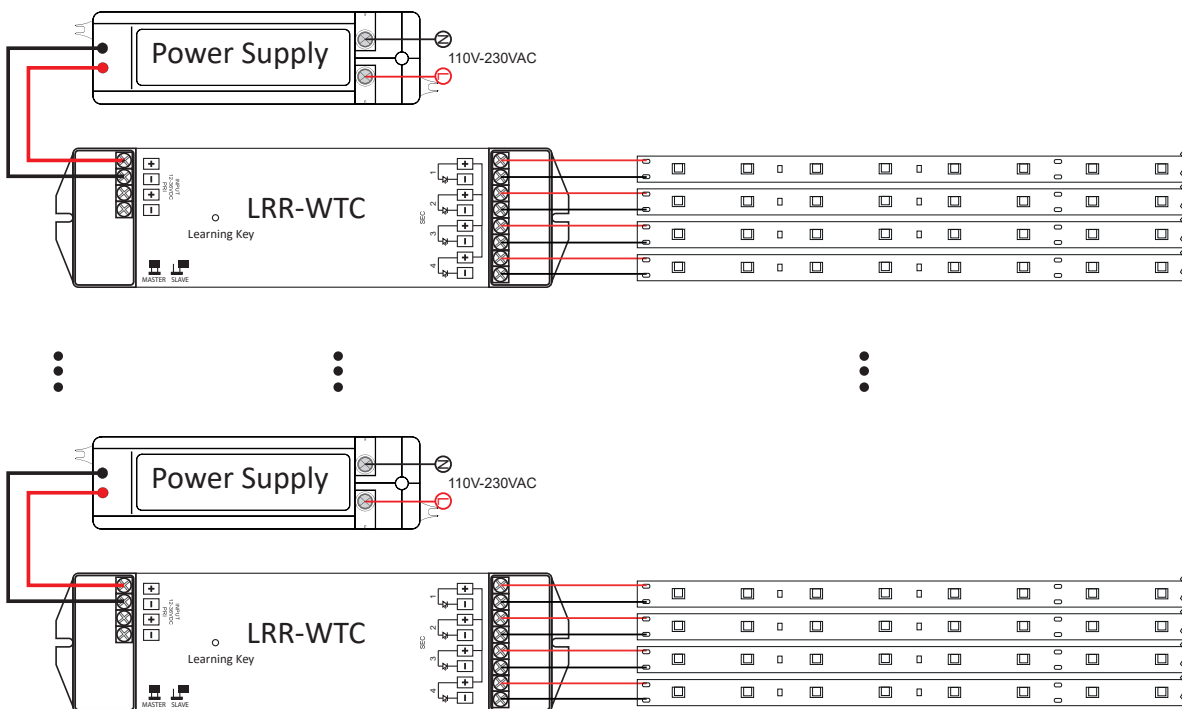
## WP-2TW and LRR-WTC

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#### Controller layout



#### Receiver wiring diagram



When wiring the receivers, it is important to make sure the total wattage of the LED strips does not exceed the maximum rated wattage per channel of the receiver. Each channel is rated at 5A, so the maximum wattage per channel is  $24 \times 5A = 120W$ . The power supply has to match the rated voltage and be superior to the total LED strip wattage by a recommended 10%.

## WP-2TW and LRR-WTC

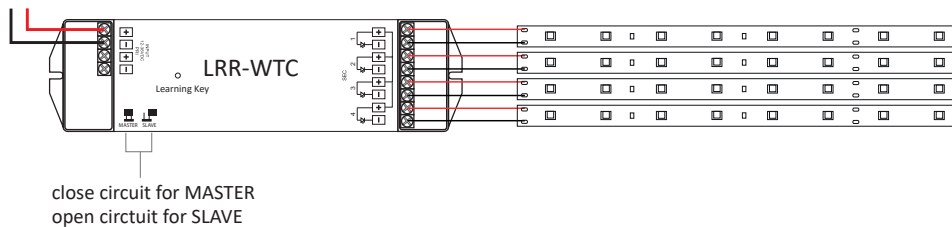
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#### Synchronising the controller to receiver

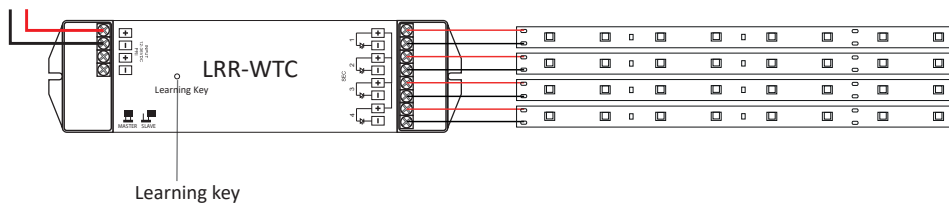
1) Ensure the wall panel is connected to a power source

2) Set the receiver LRR-WTC as a MASTER OR SLAVE.

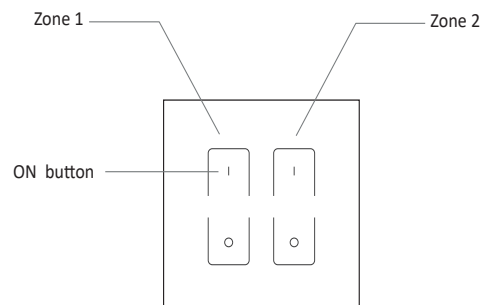
Allocating the receiver as a master or slave is important to ensure your LED strip and receiver are fully synchronised. There can be only 1 master receiver per zone.



3) Ensure the receiver has power. Press the learning key on the receiver.



4) Touch the ON button on the zone you wish to synchronise the receiver to. The LED strip will blink twice to confirm synchronisation.



5) Just repeat the learning process to synchronise several receivers to the same controller.

6) To clear the receiver from a selected zone, simply press and hold the learning key for 5 or more seconds. The receiver will be reset to the default factory settings.

# CONTROLLER AND RECEIVER



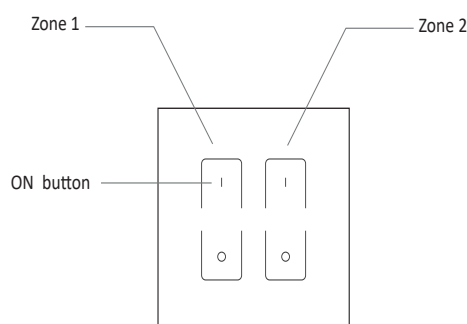
Brighter for longer

## WP-2TW and LRR-WTC

### 2 zone RF & WIFI controller and receiver for single colour LED strip

#### Controlling your LED strip

With WP-2WT you can adjust brightnes of single colour LED strip.



- Press to turn ON/OFF the desired zone.
- Press and hold ON button to increase the brightness of your chosen zone.
- Press and hold OFF button to decrease the brightness of your chosen zone.

#### 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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