

CONTROLLER AND RECEIVER



Brighter for longer

WP-4TW and LRR-WTC

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

Product Description

Teucer's tunable white touch panel enables control of up to 4 zones, as well as dimming and scene saving options. Tunable white control enables users to change LED strip colour temperature from warm to cool (i.e. 2700k-6000K). This product can be used in conjunction with the LR-WTC receiver, LR-WIFI trans and the Easy lighting app therefore allowing any Android or Apple smartphone/ tablet to simultaneously control the lighting wirelessly whilst maintaining synchronous operations.

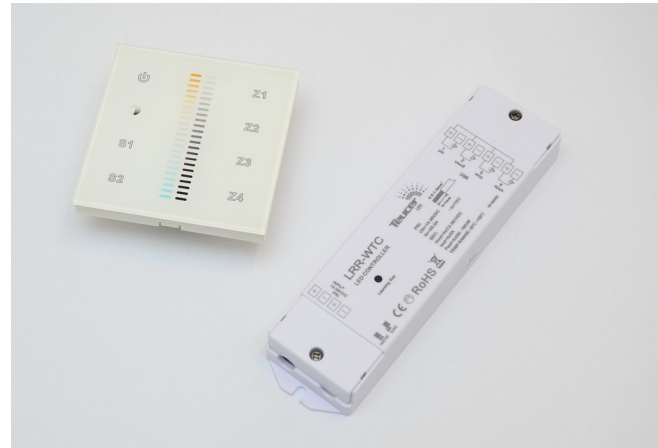
Features

- Adjust colour temperatures and brightness
- Smartphone / tablet compatible via Easy Lighting app
- Wireless RF range of 8-15 meters (depending on signal obstacles within the installation area)
- Control up to 4 zones independently or simultaneously
- Touch sensitive glass
- 5%-100% smooth dimming
- Backlit buttons for night time use

Technical Specification

Controller	
Order Code	WP-4TW
Type	RF wall panel, WIFI transmitter
Input Voltage	12-24VDC
Operation Frequency	434/868MHz
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:

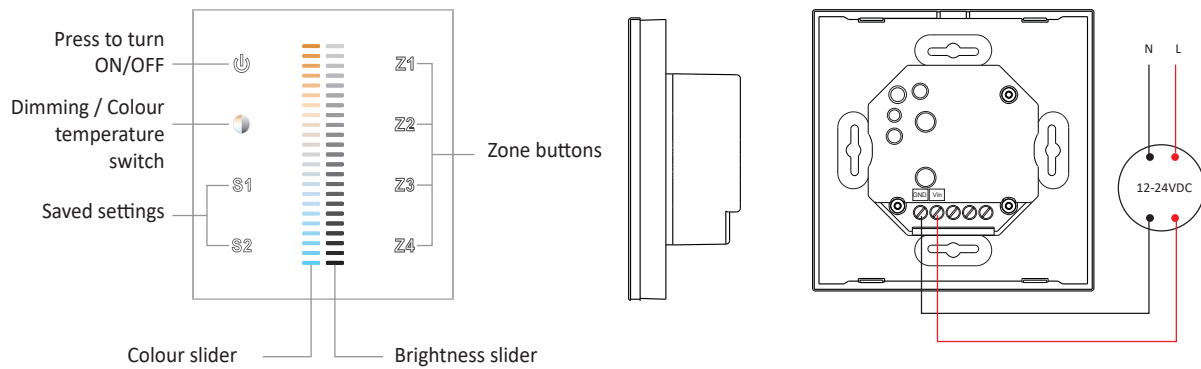
- Keep the distance within 10 meters from the controller to the receiver
- When expanding your lighting, always try and use a signal repeater (PR-RGB), where possible.
- If your installation requires several RF receivers, ensure the "master" receiver is positioned in the middle.

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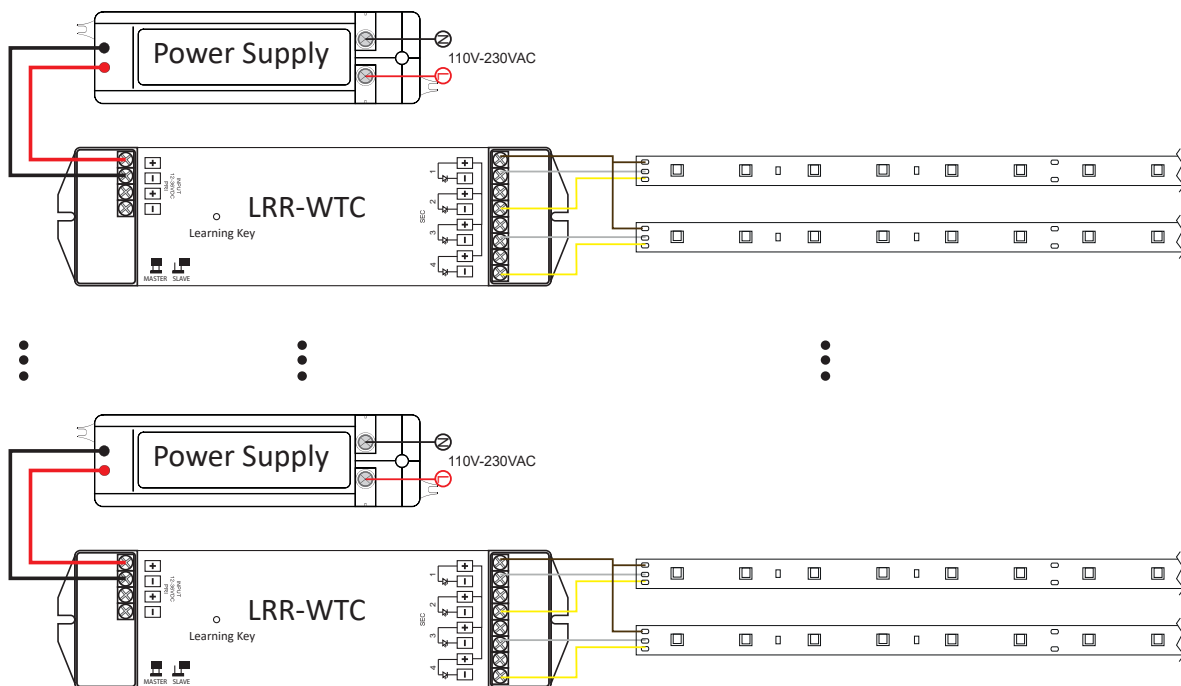
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Controller layout



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%.

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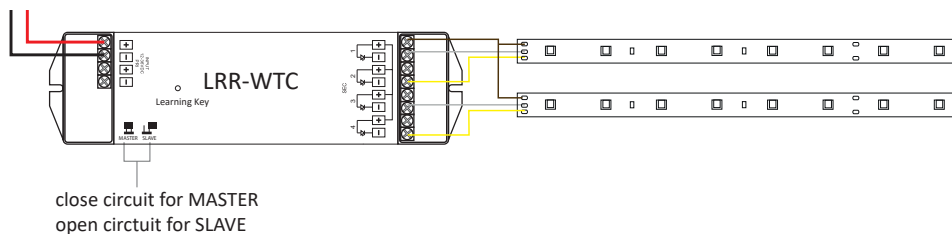
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Synchronising the controller to receiver

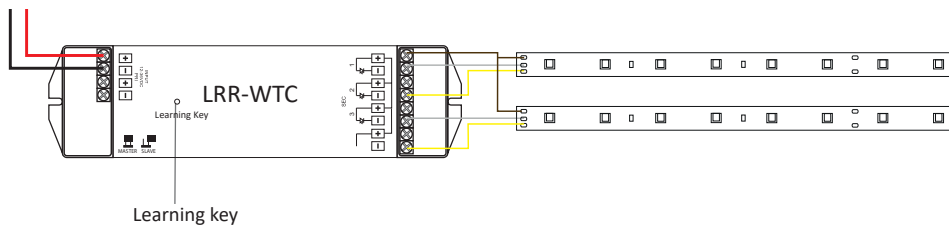
1) Ensure the wall panel is connected to a power source and turned on.

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

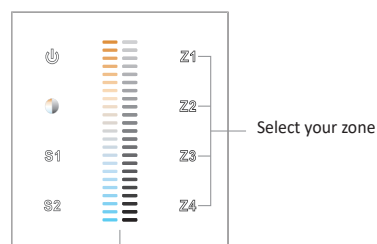
Allocating the receiver as a master or slave is important to ensure your LED strip and receiver are fully synchronised. There can be only 1 master receiver per zone.



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



4) Ensure the controller is active (blue light indicator ON) and press the zone you which to allocate to the receiver, than touch the slider. The LED strips will blink to confirm synchronisation has been successful.



Touch the slider.
The LED strip will flash 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.

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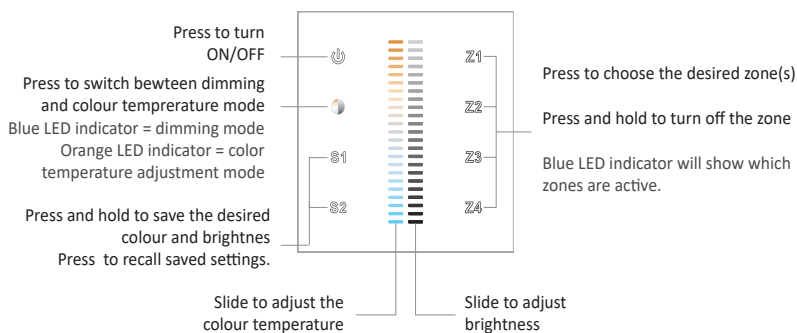
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Controlling your LED strip

With WP-4TW one can adjust the brightness and colour temperature of the tunable white LED strip.



- Choose the zone(s) you wish to control by pressing Z1, Z2, Z3 or Z4. Select as many zones as you wish. Blue LED indicator will show which zones are active.
- Choose dimming or colour temperature mode. Blue LED indicator will indicate that dimming mode is on, orange LED indicator will indicate that colour temperature adjustment mode is active.
- Slide to adjust colour or brightness.

- To save a specific colour and brightness that is displayed, choose the zone that is displaying the desired colour then press and hold S1 or S2. The LED strip will flash to confirm that the setting has been successfully saved.
- To recall a saved setting, select your zone and press S1 or S2.
- There is a maximum of 2 preferred scene settings per zone.
- To save over an existing setting, just follow the same procedure.

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/

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