

4 Zone DMX and RF wall panel

for RGB and RGBW LED strip

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WP-4RGBWN



Product Description

The WP-4RGBWN wall panel enables control of 1 to 4 zones of RGB/RGBW LED strip, featuring a simple to use back lit touch control slider for easy colour adjustment.

Technical Specification

Controller	
Order Code	WP-4RGBWN
Type	RF and DMX wall panel
Input Voltage	AC85-265V
Operation Frequency	2.4GHz
Dimension	86x86x36.5mm (WxLxH)

Features

- Easy control of RGB/RGBW LED strips for up to 4 zones independently or simultaneously
- Touch sensitive glass
- 5%-100% smooth dimming
- Backlit buttons for night time use
- Designed to fit into your existing switch back box
- DMX512 signal output for wired control of RGB/RGBW DMX decoders
- 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 and DMX decoders

Technical Specification

Order code	R3C	R4C	DIM-DMX1CH(N)
Channels	3 (RGB)	4 (RGBW)	4 (RGBW)
Type	RF receiver	RF receiver	DMX decoder
Input Voltage	12-24V DC	12-36V DC	12-24V DC
Current	3x4A	4x5A	4x5A
Output	3X(48-96W)	4X(60-180W)	4x(60-120)W
Note	Constant voltage	Constant voltage	Constant voltage
Dimension	33x97x18mm (WxLxH)	45x175x27mm (WxLxH)	50x170x23mm (WxLxH)



R3C



R4C



DIM-DMX1CH(N)

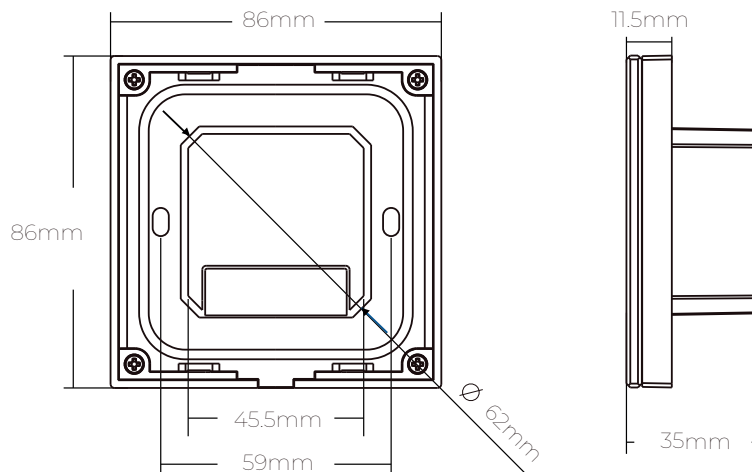
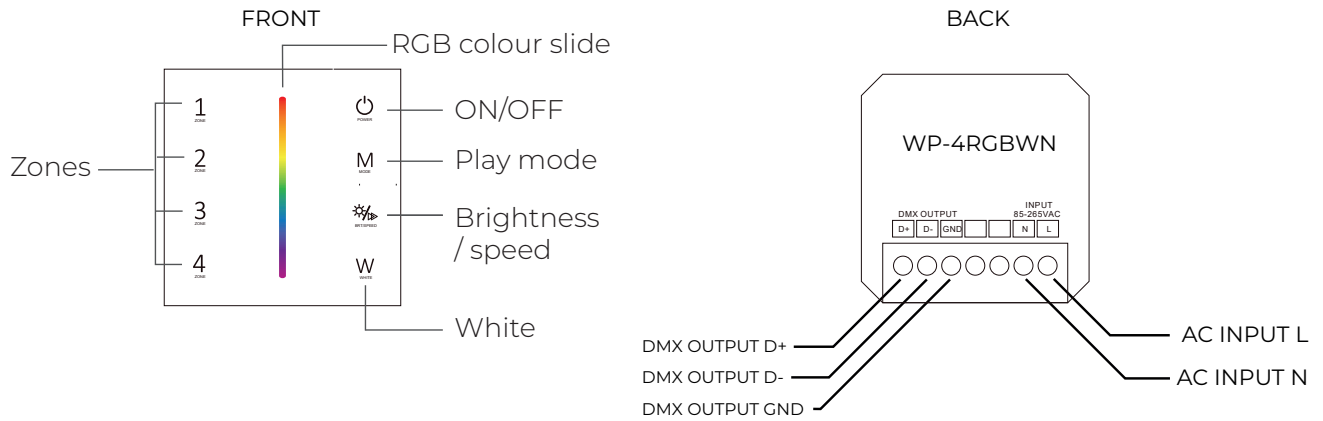


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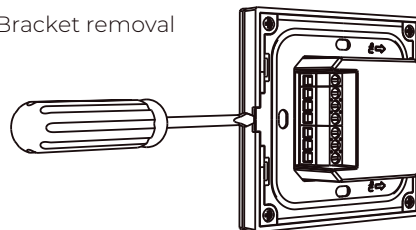
for RGB and RGBW LED strip

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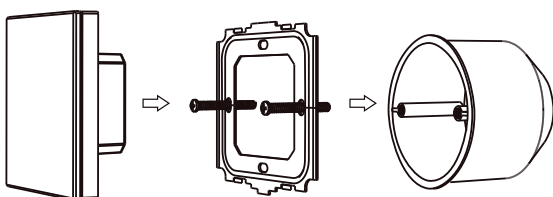
Controller layout



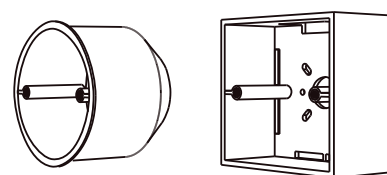
Bracket removal



Back box mounting



Compatible
Back box types:

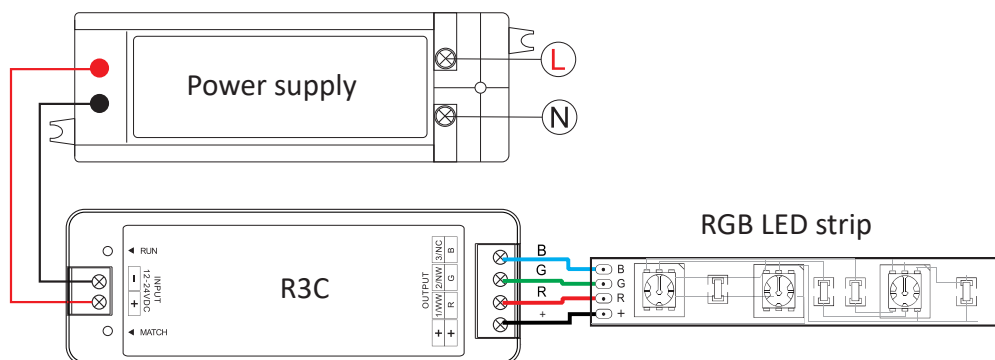


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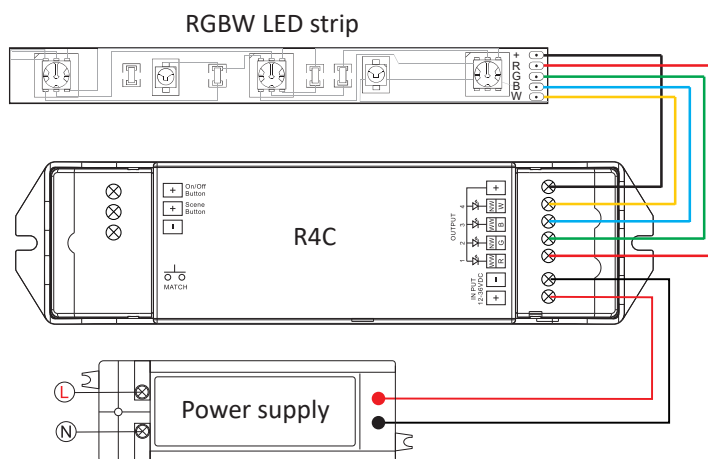
for RGB and RGBW LED strip

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RGB Receiver wiring diagram



RGBW Receiver wiring diagram

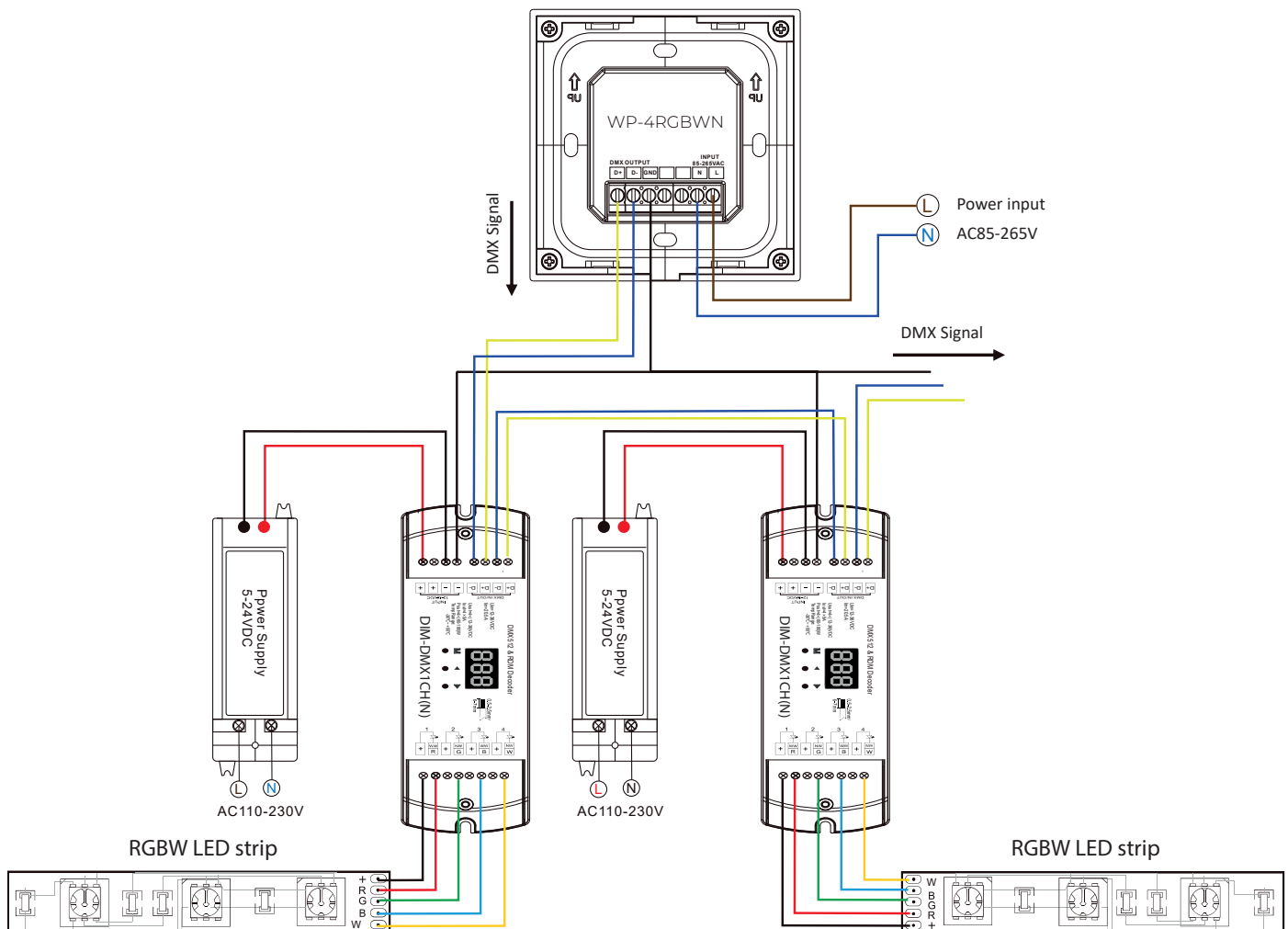


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for RGB and RGBW LED strip

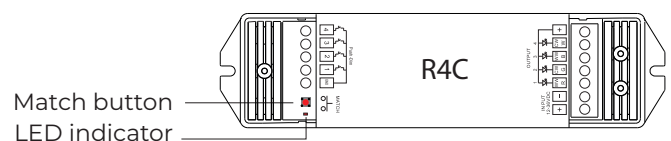
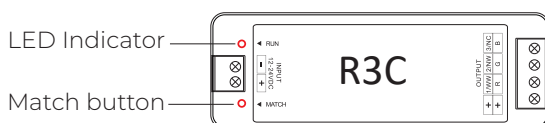
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DMX Decoder wiring diagram (RGBW)



Synchronising the remote to receiver

1) Ensure the receiver has power. Press the match button on the receiver. LED Indicator will start flashing slowly.

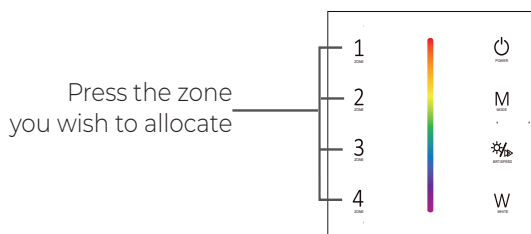


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2) Choose the zone you wish to allocate on the panel within 5 seconds after pressing the match button. The LED indicator on the receiver will flash rapidly 5 times and then stop flashing. The controller is now synchronised with the receiver.



3) Repeat the process to allocate zones for all receivers.

4) To restore the receiver to the factory default settings and delete the allocated controller, press and hold the match button on the receiver longer than 5 seconds until the LED indicator flashes quickly 5 times.

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.

Synchronising the wall panel to the DMX decoder

Address Setting in RGB/RGBW modes when using a single decoder:

MODE	Starting Address/ 1st Channel	2nd Channel	3rd Channel	4th Channel
RGB/RGBW Zone 1	001	002	003	004
RGB/RGBW Zone 2	005	006	007	008
RGB/RGBW Zone 3	009	010	011	012
RGB/RGBW Zone 4	013	014	015	016

Addresses for the RGB / RGBW mode when using multiple decoders

R	G	B	W	Decoder Nr.
001	002	003	004	Decoder 1
005	006	007	008	Decoder 2
009	010	011	012	Decoder 3
013	014	015	016	Decoder 4

Troubleshoot

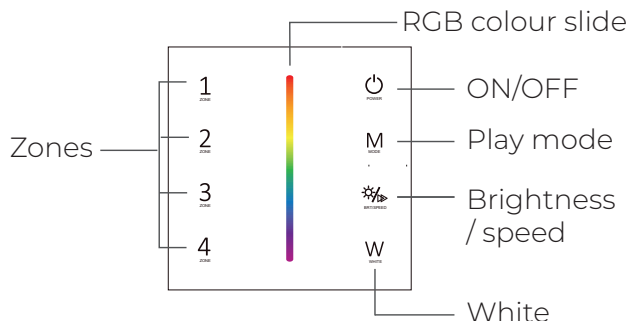
Problem	Cause	Corrective
No light	<ul style="list-style-type: none"> • No power. • Wrong connection or unsecure connection. 	<ul style="list-style-type: none"> • Check the power. • Check the connection.
Wrong Colour	<ul style="list-style-type: none"> • Wrong connection of RGB/W wires. 	<ul style="list-style-type: none"> • Retrace and reconnect RGB/W wires.
Uneven intensity between front and rear of the strip, with voltage drop	<ul style="list-style-type: none"> • Output cable is too long. • Cable diameter is too small. • Overload beyond driver capability. • Overload beyond receiver capability. 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • The wall panel has no power. • Beyond controllable distance. • The controller isn't synchronised with the remote. 	<ul style="list-style-type: none"> • Check the incoming supply to the wall panel. • Reduce remote to receiver distance. • Re-sync the remote.

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Controlling your LED strip



- **ON/OFF:** Turn ON/OFF LED strips on the last setting.
- To adjust the colour, touch the RGB colour slider.
- To change the brightness, press the brightness button.
- **Zones:** When ON choose the Zones you wish to control. When OFF short press Zone to turn ON current Zone, long press for 2s to turn OFF the desired Zone.
- **Mode:** Short press to run next mode, long press 2s runs mode-cycle.
- **W:** Short press to turn ON/OFF W channel, Long press 1-5s for continuous 256 levels adjustment of the white channel brightness.

- There are 10 dynamic modes, press the play mode button to browse through modes. To choose the mode, press and hold play mode for 2s.
- There are 10 speeds for the play modes. Press the speed button to browse through the speed levels and to sync the receivers if out of sync.
- Press and hold the speed button to go to the highest speed level.
- To save your favourite setup, press and hold scene buttons.
- To recall saved setup, press scene button.
- You can save up to 4 scenes.

Dynamic play mode presets

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow Cyan purple smooth	10	White fade in and out

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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