RGBW LED Wall Mounted Control & Receiver

Installation instructions for RGBW LED Wall Mounted Control & Receiver

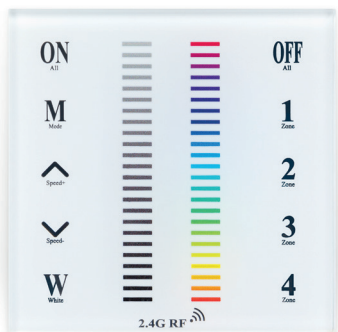**JCC** | a **LEVITON** company

Warnings & cautions

- To avoid electric shock, serious injury or property damage, isolate power before installing, removing or servicing the product
- It is recommended that these products are installed by a qualified electrician and the installation complies with the local current wiring regulations.
- Any broken or damaged parts should be replaced as soon as possible.
- Ensure driver and receiver are installed minimum 100mm apart to ensure there is no RF interference

- JCC will not accept responsibility for claims arising from sub-standard installations.
- This product is suitable for indoor use only
- It may be necessary to upgrade your MCBs to allow for increased inrush current.
- Do not carry out insulation tests with the product connected to the circuit.
- It is recommended that the ambient room temperature should not exceed 25°C.

Read instructions and check that you have all of the tools and accessories required to complete the installation correctly. Isolate power supply before starting the installation.

INSTALLATION ENGLISH

Receiver Input: 24VDC Maximum 350W

Control Panel: 2 x 1.5V AAA batteries

The JC121451 is a Wall Mounted 2.4GHz RF Touch Remote Control. It has been designed to operate with the RGBW Receiver JC121450.

The Touch Control is battery operated and does not require any wiring to install. It can control upto 4 zones with a maximum of 10 receivers paired on each zone. It has a maximum control signal distance of 30 metres. **Maximum number of Touch Wall Controls that can be paired to the same zones or groups is two.**
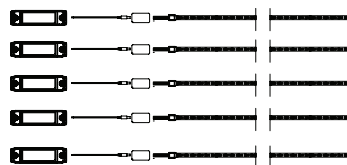
The receiver(JC121450) has a maximum output of 350W. The input Voltage is 24VDC and each receiver must have its own driver to match the Wattage of RGBW tape. **The maximum run of RGBW tape must not exceed the maximum Wattage of the driver used for each receiver**

When installing the receivers, each group that your are asigning to a zone(maximum 10) must be on their own circuit or you must be able to switch the power on/off for each group(zone).
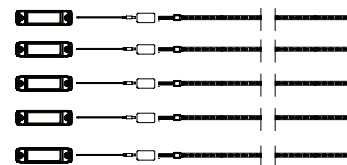
This is so that you are able to pair the groups to a zone on the Wall Mount Control. You will not be able to pair 2 or more groups of receivers to separate zones if they are on the same electrical circuit and cannot be isolated.

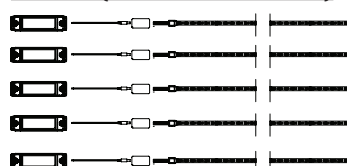### Maximum number of 4 Zones for Wall mounted Control (40 receivers in total)
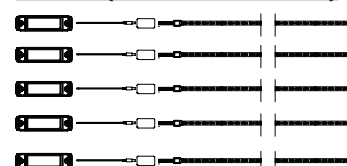
Zone 1 (10 Receivers max)

Zone 2 (10 Receivers max)

Zone 3 (10 Receivers max)

Zone 4 (10 Receivers max)

Important warranty information

This product is supported by a 2-year warranty. Terms and conditions apply. Prior to installation please make a note of the following information directly from the product body. This will assist if you require to contact JCC about your product:

- product code
- Date code number

It remains the responsibility of the installer to ensure this product is suitable for it's intended application, the product warranty will be void if installed in an area not suitable for this product.

You can help protect the environment. Please remember to respect the local regulations: hand in the non-working electrical equipment to an appropriate waste disposal centre. The packaging material is recyclable. Dispose of the packaging in an environmentally friendly manner and make it available for the recyclable material collection service.
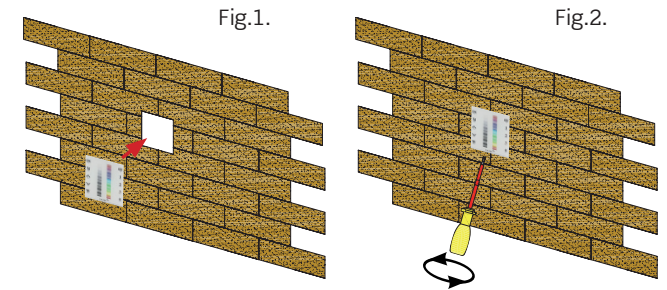
CE UKCA IP20 jcc.co.uk

JC121450 -V9 NOV 2023

Installing the Wall mounted Control JC121451

When selecting a location to install, ensure that it is within 30 metres of the furthest receiver, otherwise it will not be able to pair and operate correctly.

1. Clean the selected area and the back of the control panel thoroughly
2. Peel off one side of the protective cover on the double sided adhesive pad and affix in the desired location
3. Press firmly and evenly to ensure secure(Fig.1)
4. Peel the second side of the protective cover and offer the Control up to the adhesive pad surface
5. Apply gentle and even pressure on the front of the control to secure
6. To fit batteries(2 x 1.5V AAA, not supplied), use a flat ended screwdriver in the slot at the bottom of the cover and rotate the screwdriver 90° to release the front cover (Fig.2), fit batteries and refit cover
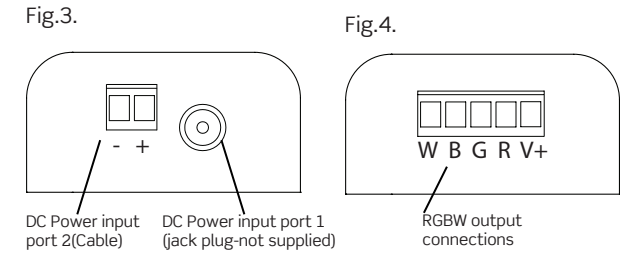
Installing the Receiver JC121450

1. Connect the 24VDC output from the non-dimmable driver to the input on the receiver using DC cable or the DC jack plug(not supplied) as illustrated in Fig.3.
2. Connect the RGBW strip to the receiver output as illustrated in Fig.4.

Control panel pairing set up(Fig.5.)

1. Press the ON button on the Touch Control
2. Turn on mains supply to selected group(zone)
3. Press and hold 1 for 2 to 8 seconds
4. Pairing is completed when the white LED's Flash 3 times
5. Repeat steps 2, 3 and 4 to pair additional groups to zones 2 3 and 4

Note: The maximum number of Wall controls that can be paired to a group of receivers is two, to pair the second Wall control, repeat steps 1 through to 5
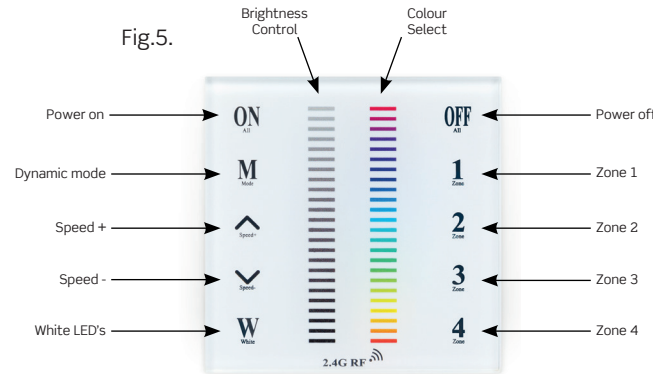
Control panel Reset(Fig.5.)

1. Press the ON button on the Touch Control
2. Turn on mains supply to selected group(zone)
3. Press and hold 1 for 2 to 8 seconds
4. Unpairing is completed when the white LED's Flash 9 times
5. Repeat steps 2, 3 and 4 to unpair additional groups to zones 2 3 and 4

Scene setting -manual selection

1. Press the ON button on the Touch Control
2. Selected zone 1 2 3 or 4
3. Touch colour line to select preferred colour |||||||||||||||||||||||| or W for white LED's only
4. Touch black line to adjust brightness |||||||||||||||||||||||||||||
5. Repeat steps 2, 3 and 4 to set scenes for remaining zones

Scene setting -Dynamic mode

1. Press the ON button on the Touch Control
2. Selected zone 1 2 3 or 4
3. Press M mode button to select preferred scene (12 options see Fig.6.)
4. Press speed ∧ or ∨ to adjust speed of selected scene
5. Repeat steps 2, 3 and 4 to set scenes for remaining zones
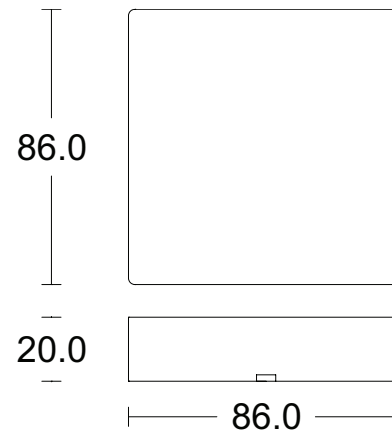   (note: brightness is not adjustable in dynamic mode)

Fig.1.

Fig.2.

RGBW connection Key:
W=(WHITE)
B=(BLUE)
G=(GREEN)
R=(RED)
V+=(Black)

Fig.3.

DC Power input port 2(Cable)   DC Power input port 1 (jack plug-not supplied)

Fig.4.

W B G R V+

RGBW output connections

Fig.5.

Brightness Control · Colour Select

Power on → ON All
Dynamic mode → M Mode
Speed + → ∧ Speed+
Speed - → ∨ Speed-
White LED's → W White

Power off → OFF All
Zone 1 → 1 Zone
Zone 2 → 2 Zone
Zone 3 → 3 Zone
Zone 4 → 4 Zone

2.4G RF

Wall Mounted Control dimensions

86.0

20.0

86.0

Fig.6.

Number	Mode
1	RGB jumping change
2	RGB fade in/out
3	7 colour jumping change
4	7 colour strobe
5	7 colour fade
6	7 colour fade in/out
7	White fade in/out
8	Red fade in/out + flash 3 times
9	Green fade in/out + flash 3 times
10	Blue fade in/out + flash 3 times
11	White fade in/out + flash 3 times
12	Automatic cycle

Receiver dimensions

23.0   85.0

45.0