BLE-DIM RF & Bluetooth LED controller instructions

Bluetooth

Product Data

- 4 in 1 universal RF+Bluetooth LED controller.
- radio frequency: 2.4GHz
- 4 different device modes DIM, CCT, RGBW and RGB+CCT in 1 controller, and selectable by dip switch
- Enables to control ON/OFF, dimming, color temperature, RGB color of conneded LED lights
- Ultra powerful to control Single Color, CCT, RGBW, RGB+CCT LED strips
- Controlled through both smart App and remote controls, no gateway required
- Easy & quick pairing to the smart App by scanning QR code
- Mesh network, much longer control distance, transmits received signal to neighbor devices
- Up to 30m transmission distance between every two neighbour devices
- Encrypted two-way communication, quick status feedback, safe & reliable data transmission
- Compatible with universal RF+Bluetooth remotes, each LED controller can pair to max. 8 remotes
- IP Rating: IP20

Product Data

Dip switch for device mode selection, DIM, CCT, RGBW and RGB+CCT 4 modes are available, factory default is RGB + CCT mode

Program Key: for pairing & deleting pairing with RF + Bluetooth remotes

NC = No Connection

12 - 24VDC Power Input

LED indicator, normally stays off, flashes when receives control signal

Common Anode Output (+)

CH1: R/R/W/W/1 OUTPUT (-)
CH2: G/G/CW/2 OUTPUT (-)
CH3: B/B/WW/3 OUTPUT (-)
CH4: W/CW/W/4 OUTPUT (-)
CH5: CW/NC/NC/5 OUTPUT (-)

RF+Bluetooth LED Controller
Input Voltage DC 12-24V
Output Current 4A/CH
Max Power 48-96W/CH
Ta:-20℃~+50℃
• tc=75℃

DC INPUT: V+ V+ V- V-

LED OUTPUT: + + 1-WW R- 2-CW G- 3-B- B- 4-CW W- 5-NC CW

ON 1 2: DIM CCT RGBW RGB+CCT

Product Data

Input Voltage	Output Current	Output Power	Remarks	Size (LxWxH)	Ambient Temperature	Max. Casing Temperature
12-24VDC	4A/CH	48-96W/CH	Constant Voltage	145x46.5x16mm	-20°C ~ +50°C	75°C

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT operate the dial switches for device selection mode with power applied to device.
- DO NOT expose the device to moisture.

PowerLed®

BLE-DIM
RF & Bluetooth
LED controller

Declaration of Conformity

We PowerLed (wholly owned subsidiary of Sunpower Group Holdings Ltd) of Orion House, Calleva Park, Aldermaston, Berkshire, RG7 8SN, UK declare under our responsibility that our product BLE-DIM is herewith confirmed to comply with the requirements set out in the UK legislation, Electromagnetic Compatibility Regulations 2016, and the European Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (2014/30/EU).

Friday 30th October 2020.
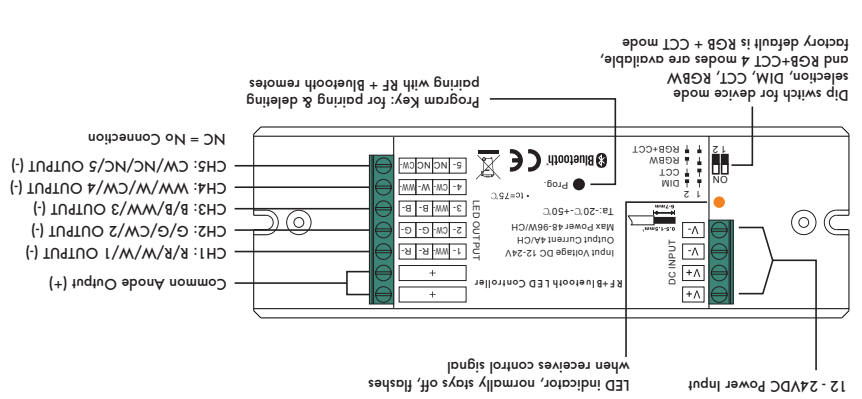
Mark Ellis
Quality Manager

UKCA CE DNV·GL
QUALITY SYSTEM CERTIFICATION
ISO 9001:2015

www.powerled.uk.com

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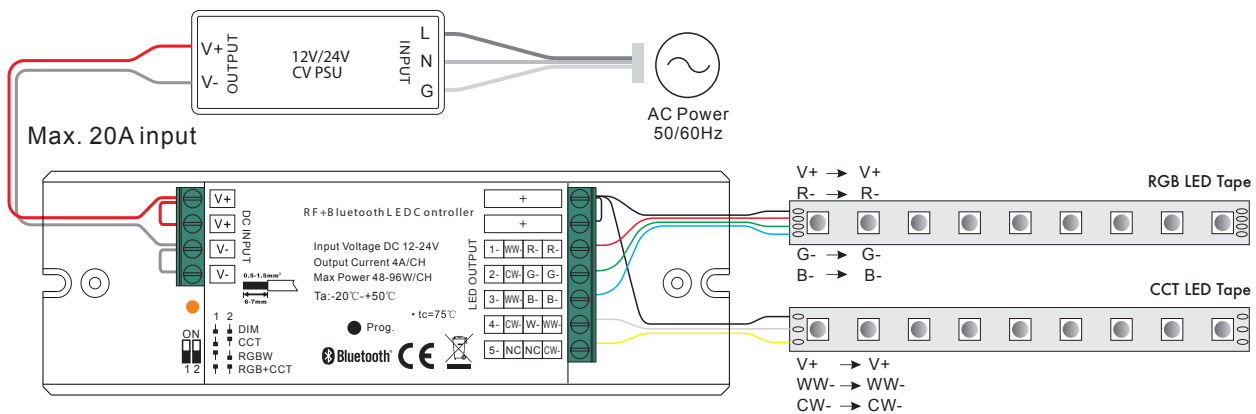

Operation

1. Do wiring according to connection diagram
2. Pair LED controller with RF + Bluetooth remote: Please refer to the installation of the remote you would like to pair with.
3. Delete the pairing:
   - Wire up the LED controller diagram.
   - Press and hold the 'Prog' button on the controller for over 3 seconds until the connected light flashes, which means deleted.

Pair with Smart App

1. Do wiring according to connection diagram.
2. Please refer to the 'Easy things' App user manual for details of adding the device.
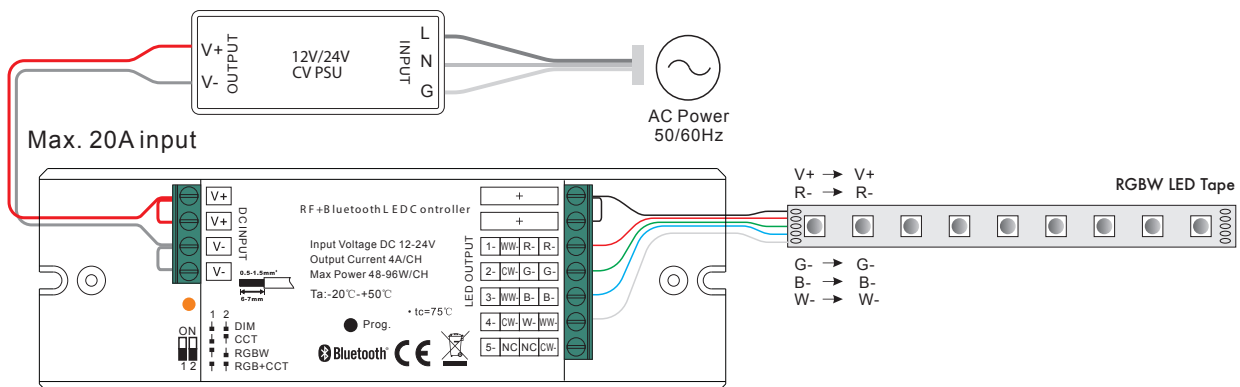
Wiring Diagram

1. RGB+CCT Mode

Note: Please make sure the dial switches are in position for RGB+CCT mode as shown in above diagram.

2. RGBW Mode

Note: Please make sure the dial switches are in position for RGW mode as shown in above diagram.