



5-in-1 LED Controller, WiFi + Bluetooth
4.2 + 2.4G RF, 12V, 30A Max Load

- Supports WiFi, Bluetooth 4.2 and 2.4G RF control protocols
- Rated for 12V operation with maximum current draw of 30A
- Compatible with Tuya Smart app for RGB and CCT control
- Bluetooth control range up to 30 m for close-range operation
- Housed in a black finish enclosure measuring 134×24×81 mm
- Rated for ambient operating temperatures of -10°C to 40°C

OVERVIEW

This 5-in-1 wireless LED controller manages RGB and CCT lighting loads through WiFi, Bluetooth 4.2 and 2.4G RF transmission. It is suited for installations requiring app-based or remote control of low-voltage LED lighting circuits, including retrofits where a router connection may be intermittent.

The controller operates at 12 V input with a maximum current draw of 30 A, and integrates with the Tuya Smart app for wireless dimming, group control, scene control, timing, music sync and automation functions. Bluetooth 4.2 allows direct close-range control when the router is disconnected, and the unit also supports 2.4G RF remote control at up to 30 m. It carries a non-waterproof environmental rating and is rated for ambient operation between -10°C and 40°C.

The controller is CE and RoHS certified and carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

Light Color RGB + CCT

ELECTRICAL

Operating Voltage 12 V

Current Draw 30 A

MECHANICAL

Product Dimensions 134×24×81 mm

Finish Black

ENVIRONMENTAL

Environmental Rating Non-Waterproof

Ambient Operating Temperature -10-40 °C
14-104 °F

ORDERING

Warranty 1 y

CERTIFICATIONS & COMPLIANCE



CE



RoHS Compliant

APPLICATIONS

Commercial RGB and CCT LED strip installations

Retail and hospitality mood lighting control

Indoor architectural lighting requiring app-based control

Low-voltage lighting retrofits with intermittent router access

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
color	RGB + CCT	db	high
operating_voltage	12 V	db	high
current_draw	30 A	db	high
product_dimensions	134×24×81 mm	db	high
finish	Black	db	high
environmental_rating	Non - Waterproof	db	high
ambient_temp_c	-10–40 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.