



RGB LED Controller with RF 14-Key Remote, 12-24V, 2.2W, Protocol Support

- Operates across a 12-24V DC input range
- Draws only 2.2W during operation
- 14-key RF remote for color, brightness, and effect control
- Supports HL1606, LPD6803, WS2801, and TM1803 protocols
- RF control eliminates need for line-of-sight to receiver

OVERVIEW

The C-SP-RGB-14K is an RF-based RGB LED controller paired with a 14-key remote, used to control color, brightness, and lighting effects in commercial and residential LED installations. It operates on 12-24V DC systems, suitable for a range of low-voltage RGB strip and fixture applications.

The controller draws 2.2W of power during operation, supporting an energy-efficient installation profile. It supports multiple addressable LED protocols including HL1606, LPD6803, WS2801, and TM1803. The 14-key RF remote provides direct access to color selection, brightness adjustment, and effect modes without requiring line-of-sight to the receiver.

SPECIFICATIONS

ELECTRICAL

Operating Voltage	12-24 V
Wattage	2.2 W

APPLICATIONS

- RGB LED strip lighting installations
- Commercial accent lighting control
- Residential mood lighting setups
- Addressable LED fixture control
- Retrofit lighting control upgrades

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
operating_voltage	12-24 V	pdf	high
wattage	2.2 W	pdf	high

Specifications subject to change without notice.