

RGBIC Low-Voltage LED Strip Smart Controller

General Specifications

Model: SD_RGBIC_V1.0

Main Control Chip: ESP32-C3-WROOM-02-H4

Supported LED Strip IC: WS2811

Operating Voltage: 24V

Operating Current: 3A_Max

Power: 72W_Max

Enclosure Dimensions: 20x46x95 ± 1mm

Controller Weight: 50g

LED Strip Length: 10M_Max

Standby Power Consumption: 0.6-0.9W (LED strip not connected)

Operating Ambient Temperature: 50°C_Max

(All parameters measured at an ambient temperature of 25°C and a supply voltage of 24V)



Key Features

- Automatic LED strip length detection
- Supports Bluetooth (>5 m) / 2.4G Wi-Fi (>30 m)
- Online OTA firmware upgrade
- Synchronized control of multiple devices
- Supports 2.4G remote control
- Supports music mode via phone / device sound pickup

Basic Operating Instructions

-Install the APP on your phone, turn on Bluetooth, tap "Add Device", and add the device via Bluetooth.

-Remote control pairing: Switch off the controller for 3 seconds, then power it on again and press the first button on the remote control within 5 seconds to pair. The LED strip flashes green when pairing succeeds; a flashing red indicates that pairing has been cancelled.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.