

CONTIA Tuya-mini-WIFI

CONTIA Tuya WiFi Smart Life RGB LED Strip Controller User Manual

Model: Tuya-mini-WIFI

Brand: CONTIA

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CONTIA Tuya WiFi Smart Life RGB LED Strip Controller. Please read this manual thoroughly before use to ensure proper functionality and safety.

PRODUCT OVERVIEW

Components

- WiFi Mini Strip Controller (RGB variant)
- 4-pin connector (for RGB LED strip)

Features

- Wireless control via Tuya Smart Life APP
- Compatible with DC 12V-24V power supplies
- Supports RGB LED strips
- Compact mini design
- Wi-Fi 2.4GHz control signal



Image 1: Front view of the CONTIA Tuya WiFi RGB LED Strip Controller, showing the main unit, input cable, output cable with 4-pin connector, and a separate 4-pin male header.



Image 2: Angled view of the CONTIA Tuya WiFi RGB LED Strip Controller, highlighting the compact design and integrated button on the main unit.

SETUP

1. **Power Supply Connection:** Connect a DC 12V-24V power supply to the controller's input port. Ensure the power supply matches the voltage requirements of your LED strip. For USB-DC5V, use a compatible USB power source.
2. **LED Strip Connection:** Connect your RGB LED strip to the 4-pin output connector of the controller. Ensure correct polarity (V+, R, G, B) to avoid damage.
3. **Download App:** Download the "Tuya Smart" or "Smart Life" application from your mobile device's app store (iOS or Android).
4. **Register/Login:** Open the app and register a new account or log in with an existing one.
5. **Add Device:**
 - Ensure your mobile device is connected to a 2.4GHz Wi-Fi network.
 - Power on the controller. The LED indicator on the controller should blink rapidly, indicating pairing mode. If not, press and hold the button on the controller for 5-10 seconds until it blinks rapidly.
 - In the Tuya Smart/Smart Life app, tap "+" to add a device.
 - Select "Lighting" > "Light Source (Wi-Fi)" or search for "LED Controller".

- Follow the on-screen instructions to connect the controller to your Wi-Fi network. You will need to enter your Wi-Fi password.
- Once connected, the LED indicator on the controller will stop blinking and remain solid.

OPERATING INSTRUCTIONS

Using the Tuya Smart / Smart Life App

- **Power On/Off:** Tap the power icon within the app to turn the LED strip on or off.
- **Color Selection:** Use the color wheel or preset color options to change the LED strip's color.
- **Brightness Adjustment:** Adjust the brightness slider to increase or decrease the light intensity.
- **Scene Modes:** Explore various pre-programmed scene modes for different ambiances.
- **Scheduling:** Set schedules for the LED strip to turn on or off at specific times.
- **Voice Control:** Integrate with voice assistants like Amazon Alexa or Google Assistant (if configured in the app) for hands-free control.

Manual Control

The integrated button on the controller may offer basic functions such as power on/off or cycling through basic colors/modes. Refer to the app for full control capabilities.

MAINTENANCE

- **Cleaning:** Disconnect power before cleaning. Wipe the controller with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Environment:** Ensure the controller is used within its specified working temperature range (-20°C to 60°C) and in a dry environment. Avoid exposure to direct sunlight, high humidity, or extreme temperatures.
- **Connections:** Periodically check all connections (power supply, LED strip) to ensure they are secure.

TROUBLESHOOTING

Problem	Possible Cause	Solution
LED strip does not light up.	No power to controller; incorrect LED strip connection; faulty LED strip.	Check power supply connection and ensure it's active. Verify LED strip is correctly connected to the controller with correct polarity. Test LED strip with another controller or power source if possible.
Controller cannot connect to Wi-Fi.	Incorrect Wi-Fi password; 5GHz Wi-Fi network; controller not in pairing mode; weak Wi-Fi signal.	Ensure correct 2.4GHz Wi-Fi password. Confirm your router is broadcasting a 2.4GHz network. Reset controller to pairing mode (rapid blinking). Move controller closer to the Wi-Fi router.
App control is unresponsive.	Poor Wi-Fi connection; app glitch; controller frozen.	Check Wi-Fi signal strength. Restart the Tuya Smart/Smart Life app. Power cycle the controller (unplug and replug).

SPECIFICATIONS

- **Product Name:** WiFi Mini Strip Controller
- **Model:** Tuya-mini-WIFI

- **Input Voltage:** DC 12V-24V, USB-DC5V
- **DC Connector Diameter:** 5.5*2.1mm
- **Output:** Max. 0-2A/channel (RGB Controller supports Max 3 channels RGB)
- **Control Signal:** Wi-Fi 2.4GHz
- **Dimensions:** 64 x 24 x 12 mm (2.52 x 0.94 x 0.47 inches)
- **Working Temperature:** -20°C to 60°C (-4°F to 140°F)
- **Material:** Copper (internal components)
- **Item Weight:** 50 Grams (1.76 ounces)



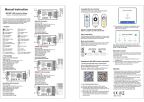

WARRANTY AND SUPPORT

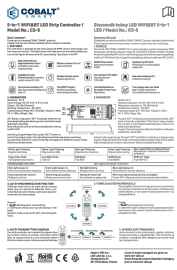

This product is covered by standard manufacturer warranties. For specific warranty details, please refer to the documentation provided at the time of purchase or contact your retailer.

For technical support or inquiries, please contact CONTIA customer service through your purchase platform or the contact information provided with your product.

Optional protection plans may be available for extended coverage. Please check with your retailer for details on 3-Year, 4-Year, or Complete Protect plans.

Related Documents - Tuya-mini-WIFI

	<p>Tuya WiFi & BT 5-in-1 LED Strip Controller WB5 Manual</p> <p>Instruction manual for the Tuya WiFi & BT 5-in-1 LED Strip Controller, Model WB5. Covers features, parameters, connection diagrams, app control via Tuya Smart Life APP, remote control compatibility, and important safety precautions.</p>
	<p>FAKRO ARF/ARP NE WIFI TUYA Electric Roller Blind Manual & Setup Guide</p> <p>Comprehensive guide for FAKRO ARF/ARP NE WIFI TUYA electric roller blinds, covering installation, operation, smart home integration with Tuya/Smart Life, and warranty information.</p>
	<p>WiFi & BT LED Controller Series: Manual and Specifications</p> <p>Comprehensive manual for the WiFi&BT LED Controller Series, covering models C01W, C02W, C03W, C04W, and C05W. Includes features, detailed parameters, app control instructions, Bluetooth connectivity, and safety guidelines for smart LED lighting.</p>
	<p>NetZero LED Component Kit Installation and Smart Control Guide</p> <p>Comprehensive guide for installing the NetZero LED Component Kit (Model AA-11-04931) into fireplaces, including wiring, remote control setup with Mi-Light remotes (FUT095, FUT096), and smart home integration via WB5 controller and Tuya/Smart Life app.</p>

	<p>COBALT SMART CS-5 5-in-1 WiFi & Bluetooth LED Strip Controller User Manual</p> <p>Discover the COBALT SMART CS-5, a versatile 5-in-1 WiFi & Bluetooth LED strip controller. This manual details its advanced PWM technology, Tuya Smart Life app integration, voice assistant compatibility (Alexa, Google), RF remote control, and various lighting modes for smart home illumination.</p>
	<p>KINGDANS WiFi Camera Charger User Manual - Setup and Operation Guide</p> <p>Comprehensive user manual for the KINGDANS WiFi Camera Charger. Learn how to set up, connect to WiFi, use the Tuya Smart app, and troubleshoot common issues for your hidden camera charger.</p>