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WEILY WF-15-450

WEILY Smart WiFi RGB LED Strip Light User Manual

Model: WF-15-450

1. Important Safety Instructions

- Read all instructions carefully before installation and use.
- Keep the product away from water and high humidity. This product is for indoor use only.
- Do not cut the LED strip while it is connected to power.
- Ensure the power adapter voltage matches your local power supply.
- Avoid bending the LED strip at sharp angles to prevent damage to the circuit board.
- Do not cover the LED strip with materials that may impede heat dissipation.
- Keep out of reach of children.

2. Package Contents

Verify that all components are present in the package:

- WEILY Smart WiFi RGB LED Strip Light (2x 7.5m rolls)
- IR Remote Control
- WiFi Receiver/Controller
- Power Adapter (UL certified)
- Adhesive Clips (for additional securing)
- User Manual



Image 1: Contents of the WEILY Smart WiFi RGB LED Strip Light package, including two rolls of LED strips, a remote control, a WiFi receiver, and a power adapter.

3. Product Overview

The WEILY Smart WiFi RGB LED Strip Light offers versatile lighting options with smart control features. It includes two 7.5-meter LED strips, a WiFi controller, and a remote control for various operation modes.

- **RGB Multicolour:** Provides a wide spectrum of colors.
- **Smart WiFi Control:** Compatible with a dedicated mobile application.
- **Voice Control:** Integrates with Alexa and Google Home for hands-free operation.
- **Timer Function:** Schedule lighting on/off times.
- **Music Mode:** Lights synchronize with audio rhythms.
- **Dimmable:** Adjustable brightness levels.

4. Setup and Installation

4.1 Physical Installation

1. **Prepare the Surface:** Ensure the installation surface is clean, dry, and smooth. Dust or moisture can affect adhesive performance.
2. **Measure and Cut (Optional):** The LED strips can be cut every 3 LEDs along the designated cut marks. Ensure the power is disconnected before cutting.
3. **Connect Components:**
    - Connect the LED strip(s) to the WiFi receiver/controller. Ensure the arrows on the connectors align.
    - Connect the power adapter to the WiFi receiver/controller.
    - Plug the power adapter into a power outlet.
4. **Attach the Strip:** Peel off the adhesive backing from the LED strip and firmly press it onto the desired surface. Use the provided adhesive clips for additional security, especially on textured or vertical surfaces.



Image 2: Illustration of cutting the LED strip at marked intervals and connecting the strip to the IR receiver and power adapter, ensuring arrow alignment.

4.2 App Installation and WiFi Connection

To utilize smart features, download and install the compatible mobile application (e.g., Smart Life or Tuya Smart).

1. **Download App:** Search for "Smart Life" or "Tuya Smart" in your smartphone's app store (iOS or Android) and install it.
2. **Register/Log In:** Open the app and create an account or log in if you already have one.
3. **Add Device:**
    - Ensure your phone is connected to a 2.4GHz WiFi network. (5GHz networks are generally not supported by smart home devices).
    - Power on the LED strip. The lights should blink rapidly, indicating pairing mode. If not, power cycle the strip (turn off/on) three times until it blinks rapidly.
    - In the app, tap "+" or "Add Device". Select "Lighting" then "Strip Lights (Wi-Fi)".
    - Follow the on-screen instructions to connect the LED strip to your WiFi network. This typically involves confirming the rapid blinking and entering your WiFi password.
4. **Device Renaming:** Once connected, you can rename the device in the app for easier identification (e.g., "Living Room LED").

5. Operating Instructions

5.1 App Control

The mobile application provides comprehensive control over your LED strip lights.

- **Power On/Off:** Toggle the main switch in the app.
- **Color Selection:** Choose from 16 million RGB colors using the color wheel.
- **Brightness Adjustment:** Adjust the light intensity from 1% to 100%.
- **Scene Modes:** Select from pre-set scenes (e.g., Night, Reading, Party) or create custom scenes.
- **Timer Function:** Set schedules for the lights to turn on or off at specific times.
- **Music Mode:** Activate the music synchronization feature.



Image 3: Screenshots demonstrating the smart application interface for controlling the LED strip, including color selection, scene modes, and timer settings.



Image 4: A screenshot illustrating the timer setting function within the control application, allowing users to schedule light operation.

5.2 Remote Control

The included IR remote control provides basic functions for quick adjustments.

- **ON/OFF:** Power the lights on or off.
- **Color Buttons:** Select pre-set static colors (Red, Green, Blue, White, etc.).
- **Brightness Up/Down:** Adjust the brightness level.
- **Mode Buttons:** Cycle through various dynamic lighting modes.

5.3 Voice Control (Alexa & Google Home)

Integrate your LED strip lights with Amazon Alexa or Google Home for voice-activated control.

1. **Link Account:** In the Alexa or Google Home app, enable the "Smart Life" or "Tuya Smart" skill/action and link your account.
2. **Discover Devices:** Ask your voice assistant to "Discover devices" or manually add the device in the app.

3. **Voice Commands:** Use commands such as:
    - "Alexa/Hey Google, turn on [Device Name]."
    - "Alexa/Hey Google, turn off [Device Name]."
    - "Alexa/Hey Google, set [Device Name] to blue."
    - "Alexa/Hey Google, dim [Device Name] to 50%."



Image 5: An illustration showing how to use voice commands with Amazon Alexa and Google Home to control the LED strip, including turning on, changing color, and adjusting brightness.

5.4 Music Mode

The LED strip can synchronize its lighting effects with music or ambient sounds.

- **Activation:** Activate Music Mode via the mobile app.
- **Microphone:** The built-in microphone on the WiFi receiver detects sound. For best results, place the receiver near the audio source.
- **Effects:** The lights will change color and brightness according to the rhythm and intensity of the music.

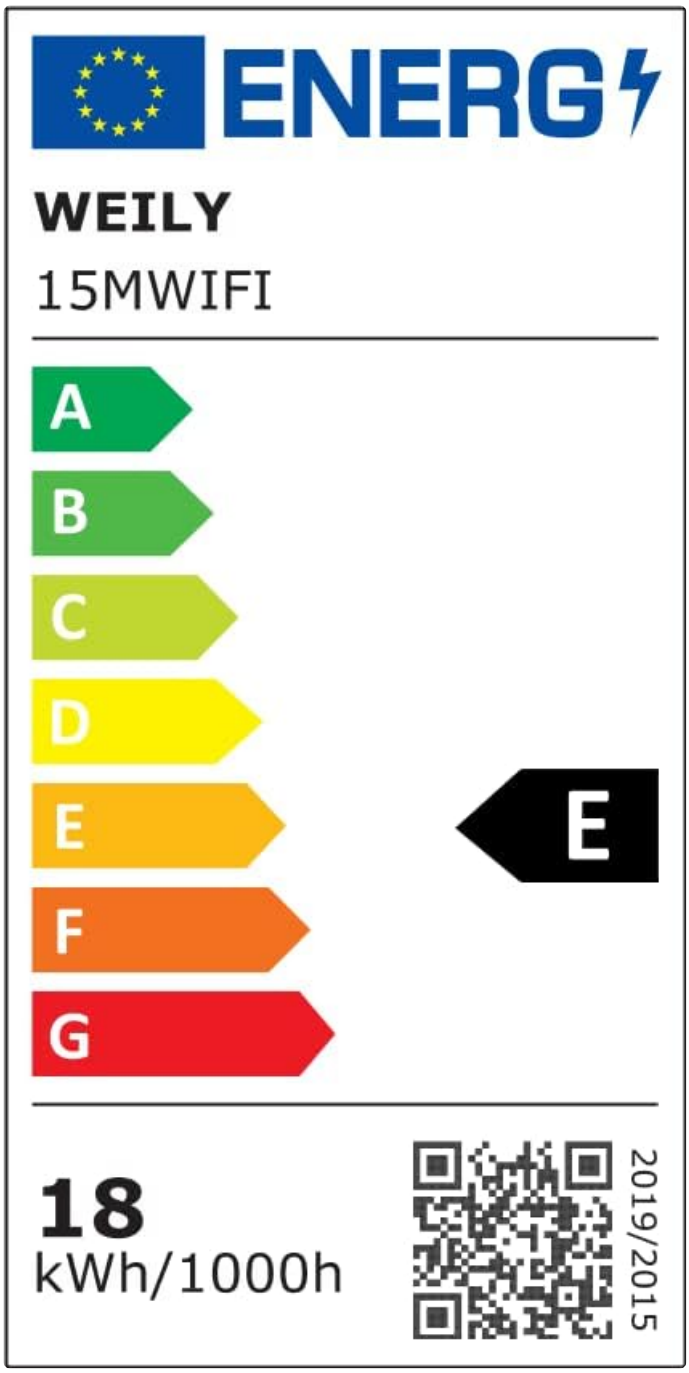


Image 6: The LED strip light displaying dynamic color changes in sync with music beats, illustrating the Mic & Music Mode feature.

6. Maintenance

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the LED strips and controller. Do not use liquid cleaners.
- **Adhesive:** If the adhesive weakens over time, use the provided adhesive clips or a suitable double-sided tape to re-secure the strip.
- **Storage:** If storing the product, ensure it is clean and dry. Store in a cool, dry place away from direct sunlight.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, faulty adapter.	Check power outlet, ensure all connections are secure (arrows aligned), test with another adapter if possible.
Lights are not connecting to WiFi.	Incorrect WiFi password, 5GHz network, device not in pairing mode.	Ensure 2.4GHz WiFi, verify password, power cycle the strip 3 times to enter rapid blinking pairing mode.
Remote control not working.	Battery depleted, IR receiver blocked, remote too far.	Replace remote battery, ensure clear line of sight to IR receiver, operate within range.
Colors are incorrect or inconsistent.	Connection issue, faulty LED segment.	Check connections, especially arrow alignment. If a segment is consistently wrong, it may indicate a hardware issue.
Adhesive is not holding.	Surface not clean/smooth, environmental factors.	Clean surface thoroughly before application. Use additional adhesive clips or stronger double-sided tape.

8. Specifications

- **Model:** WF-15-450
- **Brand:** WEILY
- **Length:** 15 meters (2x 7.5m rolls)
- **LED Type:** 5050 SMD LED
- **Number of LEDs:** 270
- **Input Voltage:** 12 Volts
- **Power:** 36 Watts
- **Control Methods:** App Control (Smart Life/Tuya Smart), IR Remote Control, Voice Control (Alexa, Google Home)
- **Wireless Connectivity:** Wi-Fi (2.4GHz only)
- **Color:** RGB Multicolour
- **Material:** Plastic
- **Usage:** Indoor
- **Item Weight:** 330 grams
- **Energy Efficiency Rating:** E



Image 7: The energy efficiency label for the WEILY 15MWIFI LED strip light, indicating an 'E' rating and 18 kWh/1000h consumption. For more details, visit the official EU EPREL database via the QR code or this link.

9. Warranty and Support

For warranty information and customer support, please refer to the contact details provided with your purchase or visit the official WEILY website.

If you encounter any issues not covered in this manual, please contact our customer service team for assistance.

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