

Dalattin TCF0221524G-JA02

Dalattin Smart LED Strip Lights User Manual

Model: TCF0221524G-JA02

1. INTRODUCTION

Thank you for choosing Dalattin Smart LED Strip Lights. This product is designed to enhance your living space with vibrant, customizable lighting. Featuring 16 million colors, multiple flash modes, and control via both a remote and a dedicated mobile application, these LED strips offer versatile illumination for various settings. The built-in high-sensitivity microphone enables music synchronization, allowing the lights to dance to your favorite tunes. This manual provides essential information for safe installation, operation, and maintenance of your LED strip lights.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other injuries.

- **Indoor Use Only:** These LED strip lights are not waterproof and are designed exclusively for indoor use. Do not expose to water or high humidity.
- **Power Supply:** Use only the provided power adapter. Using an incompatible power supply may damage the product or pose a fire hazard.
- **Installation Surface:** Ensure the installation surface is clean, dry, and smooth. Rough or wet surfaces may compromise the adhesive.
- **Cutting the Strips:** If cutting the LED strips, only cut along the designated cut marks. Cutting elsewhere will damage the circuit and render that section unusable. Note that connectors are not included for rejoining cut sections.
- **Ventilation:** Do not cover the power adapter or LED strips with materials that could impede heat dissipation.
- **Children and Pets:** Keep the product and its components out of reach of children and pets.
- **Testing:** Always test the LED strips before final installation to ensure proper functionality.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 2 x 15.2m (50ft) LED Strip Lights (Total 30.5m / 100ft)
- 1 x IR Remote Control
- 1 x IR Receiver/Controller Box
- 1 x Power Adapter
- 1 x User Manual (This Document)



Image: The product packaging displaying the two rolls of LED strip lights, the remote control, and a smartphone showing the control app interface.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your Dalattin Smart LED Strip Lights:

1. **Prepare the Surface:** Clean the desired installation surface thoroughly. Ensure it is dry, smooth, and free of dust or grease. This will ensure optimal adhesion of the strip lights.
2. **Connect Components:**
 - Connect the LED strip lights to the IR receiver/controller box. Ensure the arrow on the strip connector aligns with the arrow on the controller box connector (+12V to Anode).
 - Connect the power adapter to the IR receiver/controller box.
 - Plug the power adapter into a standard electrical outlet.
3. **Test the Lights:** Before peeling off the adhesive, briefly plug in the power adapter to test if the lights illuminate correctly. If they do not, try flipping the 4-pin connector from the LED strip to the IR receiver/controller box 180 degrees and re-inserting it.
4. **Adhere the Strips:** Once tested, peel off the protective backing from the adhesive tape on the back of the LED strips. Carefully press the strips onto the prepared surface, applying firm and even pressure along the entire length.
5. **Secure Connections:** Ensure all connections are secure and the IR receiver is positioned where it can receive signals from the remote control.

Easy to Install



Image: An illustration detailing the connection process for the LED strip lights, IR remote, IR receiver, and power

5. OPERATING INSTRUCTIONS

Your Dalattin Smart LED Strip Lights can be controlled via the included IR remote control or a dedicated mobile application.

5.1. Remote Control Operation

The IR remote control allows for basic functions:

- **Power On/Off:** Press the **ON** or **OFF** button.
- **Color Selection:** Choose from various preset colors by pressing the corresponding color buttons.
- **Brightness Adjustment:** Use the **Brightness Up** and **Brightness Down** buttons to adjust light intensity.
- **Mode Selection:** Cycle through different flash modes (e.g., Flash, Strobe, Fade, Smooth) using the mode buttons.

5.2. Mobile Application Control

For advanced features and greater control, download the "Apollo Lighting" application (or similar specified in product packaging) on your smartphone. The app offers:

- **16 Million Colors:** Access a full spectrum of colors via a color wheel.
- **Brightness Adjustment:** Adjust brightness from 0% to 100%.
- **Custom Modes:** Create and save your own lighting scenes.
- **Music Synchronization:** Utilize the built-in microphone to sync lights with music (see Section 5.3).
- **Timer Function:** Set schedules for automatic power on/off and color changes (see Section 5.4).



Image: A split image demonstrating control via the physical remote control on the left and control via a smartphone application on the right, showing different lighting effects in a room and by a pool.

5.3. Music Synchronization

The integrated high-sensitivity microphone allows the LED strips to react to sound. To activate music sync:

1. Open the mobile application.
2. Navigate to the music mode section.
3. Play music near the IR receiver/controller box. The lights will change color and brightness in rhythm with the audio.



SYNC TO MUSIC

Sync light to your favorite music or received microphone voice

Image: A group of people enjoying a party atmosphere with LED lights syncing to music, illustrating the "Sync to Music" feature.

5.4. Timer and Memory Function

The LED strips feature a timer function and color memory:

- **Timer Setting:** Use the mobile application to set specific times for the lights to automatically turn on or off. You can also schedule color changes. For example, set lights to turn off at 10:00 PM and turn on at 7:00 AM.
- **Memory Function:** The lights will remember the last color and brightness setting used when powered off and will resume that setting when powered back on.

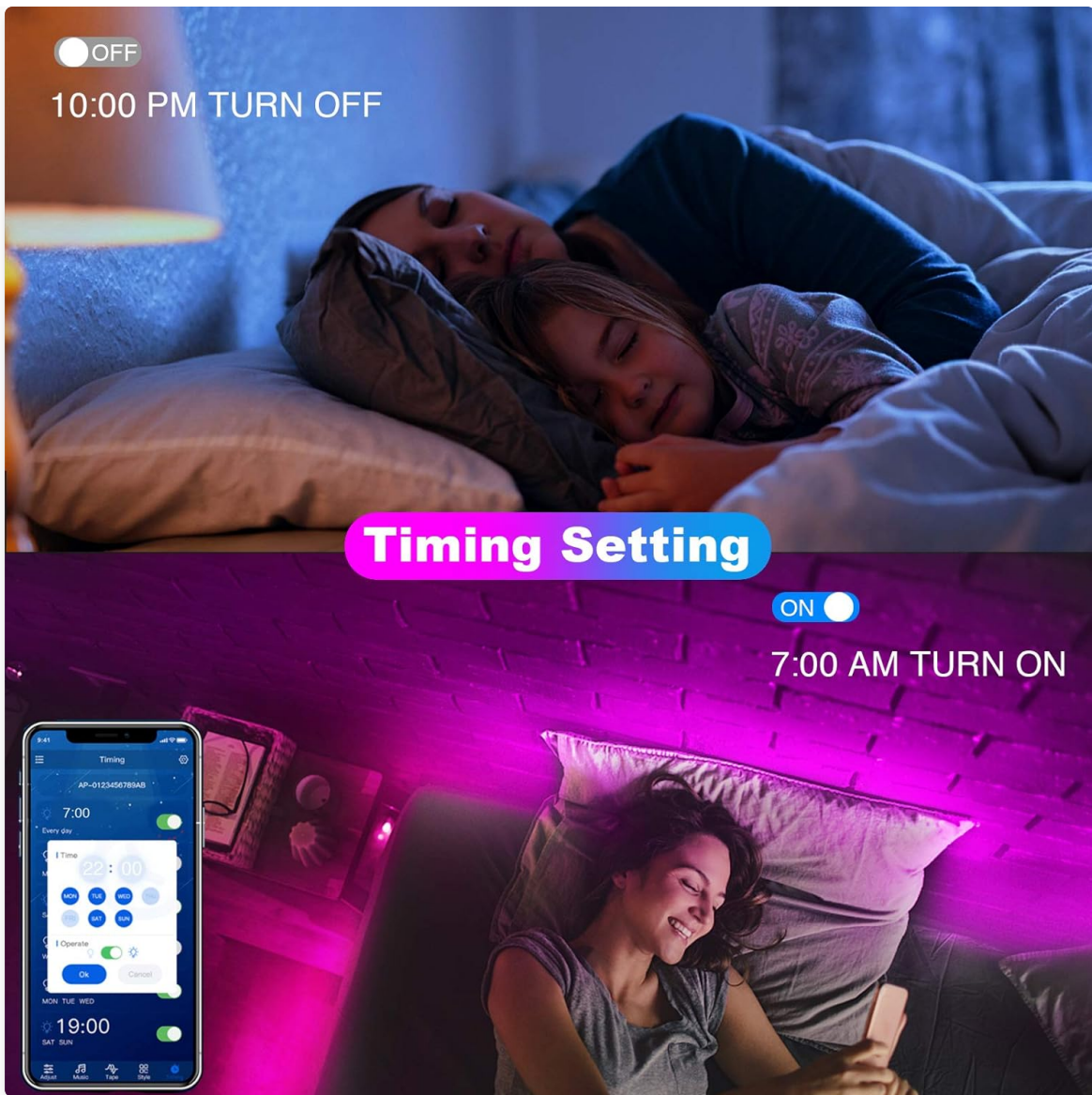


Image: A visual representation of the timing setting feature, showing lights turning off at 10:00 PM and turning on at 7:00 AM, with a smartphone displaying the app's timer interface.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Dalattin Smart LED Strip Lights, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the LED strips with a dry, soft cloth to remove dust. Do not use liquid cleaners or abrasive materials.
- **Adhesive:** The adhesive is strong but designed for a single application. Avoid repeatedly sticking and unsticking the strips, as this will weaken the adhesive.
- **Storage:** If storing the lights for an extended period, ensure they are clean, dry, and stored in a cool, dark place.
- **Power Off:** Always unplug the power adapter from the wall outlet when not in use for extended periods or during cleaning.

7. TROUBLESHOOTING

If you encounter issues with your LED strip lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	<ul style="list-style-type: none">• Power adapter not plugged in.• Loose connection between components.• Incorrect polarity of 4-pin connector.• Remote control battery dead.	<ul style="list-style-type: none">• Ensure power adapter is securely plugged into outlet.• Check all connections (strip to controller, controller to power adapter).• Flip the 4-pin connector 180 degrees and re-insert.• Replace remote control battery.
Remote control not working.	<ul style="list-style-type: none">• Remote battery dead.• IR receiver blocked.• Remote too far from receiver.	<ul style="list-style-type: none">• Replace remote control battery.• Ensure no obstructions between remote and IR receiver.• Move closer to the IR receiver.
Lights show incorrect colors or sections are off.	<ul style="list-style-type: none">• Damaged LED segment (if cut incorrectly).• Loose connection.	<ul style="list-style-type: none">• Ensure strips were cut only at designated marks. Damaged segments cannot be repaired.• Check connections.
App cannot connect to lights.	<ul style="list-style-type: none">• Bluetooth not enabled on phone.• App not properly paired.	<ul style="list-style-type: none">• Enable Bluetooth on your smartphone.• Follow the app's instructions for pairing the device.

8. SPECIFICATIONS

Feature	Detail
Brand	Dalattin
Model Number	TCF0221524G-JA02
Total Length	30.5 meters (2 rolls of 15.2 meters each)
LED Type	5050 RGB LED
Control Method	IR Remote Control, Mobile Application (Apollo Lighting)

Feature	Detail
Voltage	24 Volts
Wattage	36 Watts
Special Features	Dimmable, Music Synchronization, Timer Function, Memory Function
Indoor/Outdoor Use	Indoor Use Only (Not waterproof)
Package Dimensions	21.11 x 20.8 x 1.7 cm
Item Weight	163.29 grams

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided on the product packaging or the official Dalattin website. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may also contact the retailer from whom you purchased the product.