

AILBTON DT2-60

AILBTON 300ft LED Strip Lights User Manual

Model: DT2-60

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1. SAFETY INFORMATION

Please read all safety instructions carefully before installing and using the AILBTON LED Strip Lights. Retain this manual for future reference.

- **Indoor Use Only:** These LED strip lights are designed for indoor use and are **non-waterproof**. Do not expose them to water or high humidity.
- **Power Supply:** Use only the provided power adapter. Ensure the voltage matches the product requirements (12V).
- **Installation Surface:** Ensure the installation surface is clean, dry, and smooth for proper adhesion. Avoid installing on rough or dusty surfaces.
- **Cutting the Strips:** The LED strips can be cut every 3 LEDs along the designated cutting marks. Cutting elsewhere will damage the strip.
- **Heat Dissipation:** While the lights emit extremely low heat, ensure proper ventilation around the power adapter and controller.
- **Children and Pets:** Keep the product and its components out of reach of children and pets.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 3 x 100ft LED Strip Lights (Total 300ft)
- 1 x Power Adapter
- 1 x Button Control Box
- 1 x IR Remote Controller
- 1 x Adhesive for Controller
- 1 x User Manual (this document)

3. PRODUCT OVERVIEW

3.1 Key Features

- **Ultra-Long Design:** 300ft (3 rolls of 100ft) of 5050 RGB LED strips for extensive coverage.
- **Multiple Control Methods:** Control via dedicated mobile app ("Ehome Light"), IR remote, or the 4-button control box.
- **Music Sync Function:** Built-in microphone allows lights to pulsate and change colors with environmental sound and music.
- **Timing Function:** Set schedules for automatic ON/OFF times.
- **Dimmable & Color Changing:** Adjust brightness and choose from a wide spectrum of RGB colors.
- **Easy Installation:** Features strong 3M adhesive backing for simple peel-and-stick application.

3.2 Components

Familiarize yourself with the main components of your AILBTON LED Strip Lights system:



Figure 3.1: Complete AILBTON 300ft LED Strip Lights kit, including the three 100ft rolls, power adapter, control box, and IR remote.

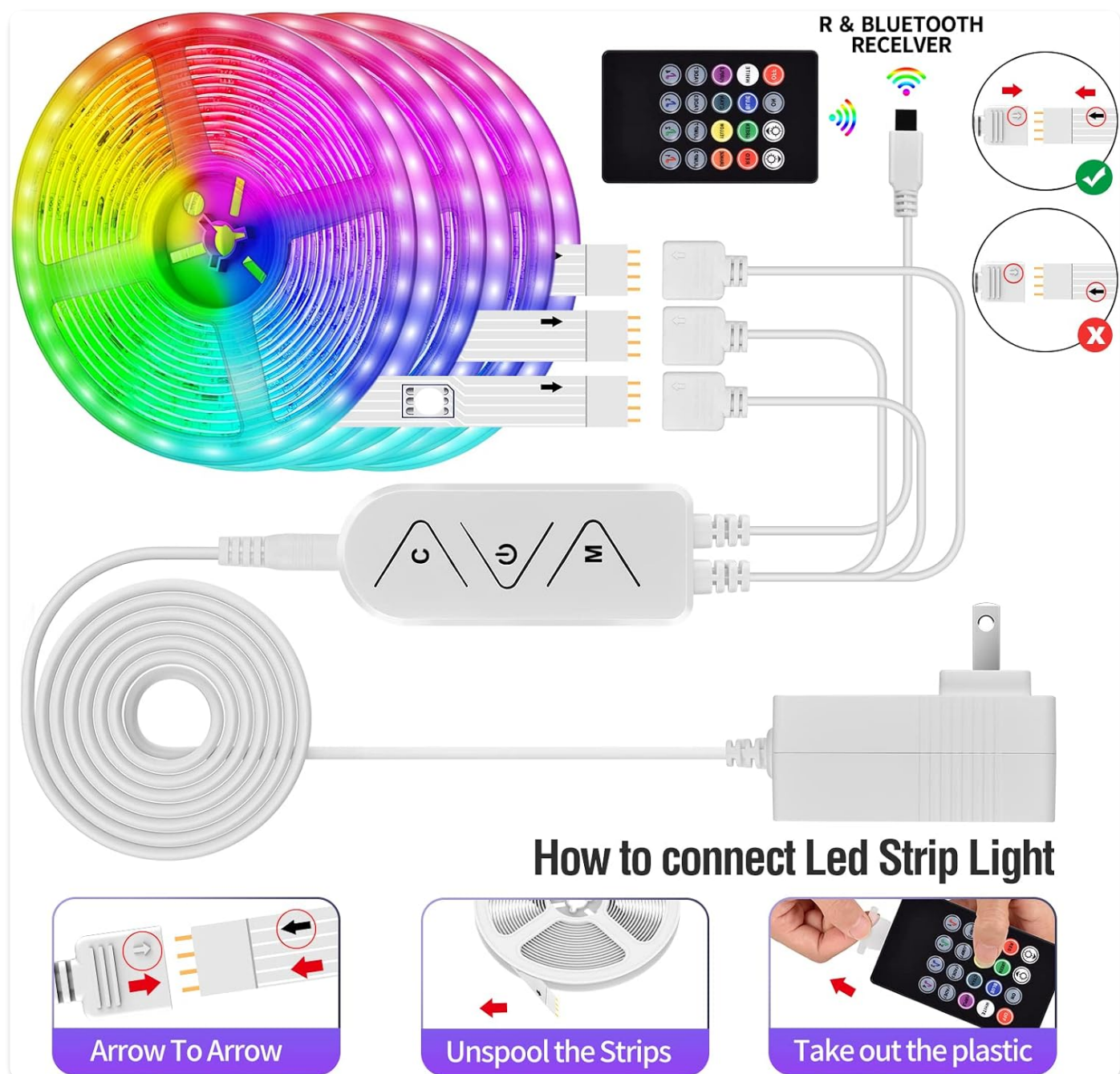


Figure 3.2: Connection diagram illustrating the proper way to connect the LED strips to the receiver and power supply.

4. SETUP AND INSTALLATION

Follow these steps to set up your AILBTON LED Strip Lights:

1. **Prepare the Surface:** Clean the desired installation surface thoroughly. Ensure it is dry, smooth, and free of dust or debris. This is crucial for the adhesive to bond effectively.
2. **Unspool the Strips:** Carefully unspool the LED strip lights from their reels. Do not bend or twist the strips excessively.
3. **Plan the Route:** Before removing the adhesive backing, plan the exact route for your LED strips. This helps avoid kinks and ensures optimal placement.
4. **Connect the Strips:** Connect the LED strips to the control box. Ensure the arrows on the strip connector and the control box connector align correctly. Improper alignment can prevent the lights from working.
5. **Connect Power:** Plug the power adapter into the control box, then plug the power adapter into a standard electrical outlet.
6. **Test Before Adhering:** Before peeling off the adhesive, briefly plug in the lights to test if they are working correctly.

This allows you to identify any issues before permanent installation.

7. **Adhere the Strips:** Once tested, peel off the 3M adhesive backing from the LED strips gradually and firmly press the strip onto the prepared surface along your planned route. For corners, use the included clips or gently bend the strip without creasing the LEDs.
8. **Secure the Control Box:** Use the provided adhesive to secure the control box in a convenient and accessible location.



Figure 4.1: Example installations in a living room, bedroom, kitchen, and garage, showcasing the versatility of the lights.



Figure 4.2: The LED strips can be cut every 3 LEDs along the designated cutting marks if a shorter length is required.

5. OPERATING INSTRUCTIONS

5.1 App Control (Ehome Light)

The "Ehome Light" app provides comprehensive control over your LED strip lights:

1. **Download the App:** Scan the QR code provided in the manual or search for "Ehome Light" on Google Play Store (Android) or iOS App Store (Apple).
2. **Connect to Lights:** Ensure Bluetooth is enabled on your smartphone. Open the app, and it should automatically detect your LED strip lights. Follow any on-screen prompts to pair.
3. **Adjust Colors & Brightness:** Use the color wheel and brightness slider within the app to customize your lighting.
4. **Music & Mic Modes:** Access the music and microphone functions through the app.
5. **Timing Function:** Set specific ON/OFF times for your lights using the scheduling feature.
6. **Group Management:** If you have multiple AILBTON light sets, you can create groups within the app to control them simultaneously or individually.

300FT Length

150FT + 150FT

whole house custom
you can control multiple 300ft led strip lights at time by app group management



The image shows a modern house at night with a swimming pool. The house and pool are illuminated by vibrant, multi-colored LED strip lights. The lights are arranged in a way that creates a rainbow effect across the building and pool area. A smartphone in the foreground displays the Ehome Light app interface, showing a list of rooms and a color selection wheel.



Figure 5.1: The Ehome Light app interface for comprehensive control.



Figure 5.2: App functions including Music Mode, Mic Mode, and Alarm Clock for scheduled lighting.

5.2 IR Remote Control

The included 20-key IR remote provides quick access to common functions:

- **Power Button:** Turn lights ON/OFF.
- **Color Buttons:** Select preset static colors (Red, Green, Blue, White, etc.).
- **Brightness/Speed Buttons:** Adjust brightness in static mode or speed in dynamic modes.
- **Dynamic Modes:** Cycle through various lighting effects like Jump, Fade, and Flash.
- **Music Modes:** Activate 4 different music-reactive modes.



Figure 5.3: The 20-key IR Remote Controller for direct light management.

5.3 4-Button Control Box

The inline control box offers basic control without the app or remote:

- **'C' Button:** Cycles between static and dynamic lighting modes.
- **Power Button:** Turns the lights ON/OFF.
- **'M' Button:** Activates the red light and music mode.



Figure 5.4: The 4-button control box for essential functions.

5.4 Music and Mic Functions

Enhance your environment with sound-reactive lighting:

- **Microphone Mode:** The built-in microphone detects ambient sounds. The lights will change colors and pulsate in rhythm with your voice or surrounding audio.
- **Music Mode:** Play local music through your mobile phone. The lights will synchronize with the beats and rhythm of the music, creating a dynamic visual experience.

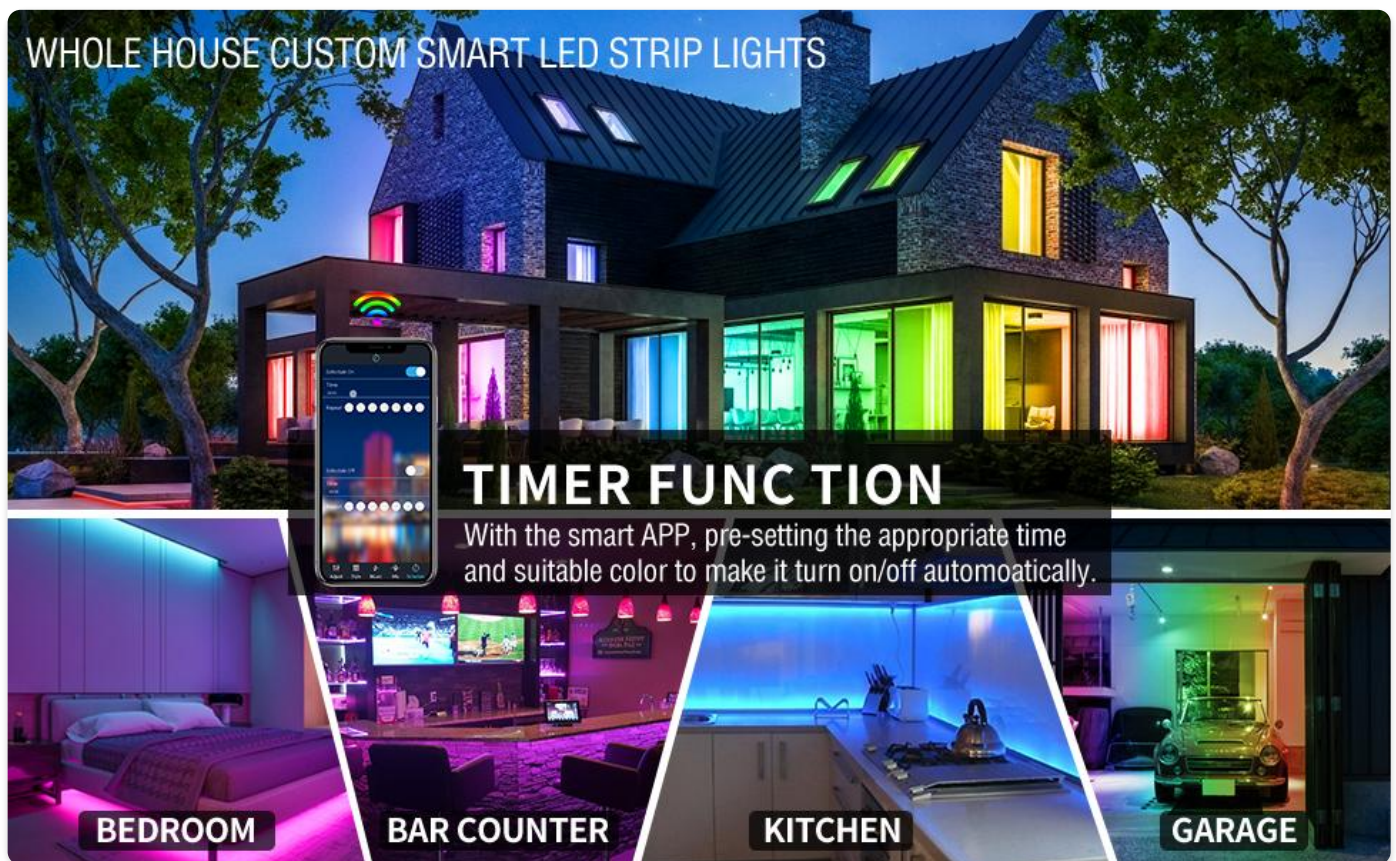


Figure 5.5: LED lights reacting to music and sound, ideal for parties or immersive experiences.

5.5 Timing ON/OFF

Automate your lighting with the smart timing feature:

- Using the "Ehome Light" app, navigate to the schedule or timing section.
- Set desired times for the lights to automatically turn ON or OFF.
- You can also select specific colors or modes for scheduled events. This is useful for waking up to soft light or turning off lights automatically at bedtime.

6. MAINTENANCE

To ensure the longevity and optimal performance of your AILBTON LED Strip Lights, follow these simple 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 Check:** Periodically check the adhesion of the strips, especially in areas with temperature fluctuations. Re-secure any loose sections if necessary.
- **Power Off When Not in Use:** While the lights are energy-efficient, turning them off when not needed can extend their lifespan.
- **Avoid Extreme Conditions:** Do not expose the lights to extreme temperatures or direct sunlight for prolonged periods, as this can degrade the adhesive and LED performance.

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.	No power connection; Incorrect connection; Faulty power adapter/controller.	Ensure power adapter is securely plugged into outlet and control box. Check that strip connectors are aligned (arrow to arrow). Test with another outlet. If problem persists, contact support.
Lights flicker or stutter.	Loose connection; Power supply issue; Damaged section of strip.	Check all connections for tightness. Ensure the power adapter is providing stable power. If a section is damaged, it may need to be cut off at the nearest cutting mark.
Remote control not working.	Battery depleted; Obstruction; Remote not pointed at IR receiver.	Remove the plastic battery insulator tab from the remote. Ensure there are no obstructions between the remote and the IR receiver on the control box. Point the remote directly at the receiver.
App cannot connect to lights.	Bluetooth off; App not updated; Interference.	Ensure Bluetooth is enabled on your phone. Restart the app and your phone. Try moving closer to the control box. Ensure no other devices are interfering with the Bluetooth signal.
Colors are incorrect or a section is a different color.	Incorrect connection; Damaged LED segment.	Double-check that the strip connectors are aligned correctly (arrow to arrow). If a specific segment is discolored, it may indicate damage to that section.
Adhesive is not sticking.	Surface not clean/dry; Surface too rough/porous.	Ensure the surface is thoroughly cleaned and dried before application. For rough surfaces, consider using additional mounting clips or stronger adhesive tape (not included).

8. SPECIFICATIONS

Attribute	Value
Model Number	DT2-60
Total Length	300ft (3 rolls of 100ft)
LED Type	5050 RGB LEDs
Color	Multicolor (RGB)
Voltage	12 Volts
Wattage	12 watts
Control Method	App, IR Remote, 4-Button Control Box
Indoor/Outdoor Usage	Indoor Only
Water Resistance Level	Not Water Resistant
Material	Plastic

Attribute	Value
Item Weight	1.17 pounds
Product Dimensions	5.71 x 3.35 x 6.1 inches (packaging)

9. WARRANTY AND SUPPORT

AILBTON is committed to providing high-quality products and customer satisfaction. While specific warranty details are not provided in this manual, we offer a 100% Satisfaction Guarantee.

If you encounter any problems with your AILBTON LED Strip Lights, or have questions regarding installation, operation, or troubleshooting, please do not hesitate to contact our customer support team. We aim to resolve all inquiries within 24 hours.

Please refer to your purchase documentation or the retailer's website for specific contact information for customer service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question