

Timelux BRT-ST5050USB

Timelux 20ft LED Strip Lights

USER MANUAL - MODEL: BRT-ST5050USB

Enhance your space with vibrant, customizable lighting.

1. Introduction

Thank you for choosing Timelux 20ft LED Strip Lights. This product is designed to provide versatile and vibrant lighting for various indoor applications, including bedrooms, kitchens, cabinets, and entertainment areas. Featuring RGB color changing capabilities, dimmable brightness, and convenient IR remote control, these USB-powered LED strips offer an easy way to transform your environment.

Please read this manual thoroughly before installation and use to ensure proper operation and safety.

2. Safety Information

- This product is designed for **indoor use only**. Do not expose to water or high humidity.
- The LED strip operates on a **5V USB power supply**. Do not connect to higher voltage power sources.
- Ensure the installation surface is clean, dry, and smooth for optimal adhesive performance.
- Do not bend the LED strip sharply or at angles greater than 90 degrees to prevent damage to the circuit.
- Keep out of reach of small children.
- Unplug the power supply before cleaning or performing any maintenance.
- Do not cover the LED strip with materials that could impede heat dissipation.

3. Package Contents

- 1 x 20ft (6m) RGB 5050 LED Strip Light
- 1 x IR Remote Controller
- 1 x USB Power Cable with Controller Box



Image: Contents of the Timelux 20ft LED Strip Lights package, showing the coiled LED strip, the IR remote control, and the USB power cable with integrated controller.

4. Product Overview

The Timelux LED Strip Light system consists of three main components:

- **LED Strip:** A flexible strip with 5050 SMD LEDs, capable of displaying various RGB colors. It has an adhesive backing for easy installation.
- **USB Power Cable with Controller Box:** Connects the LED strip to a USB power source (e.g., TV USB port, power bank, USB adapter). The integrated controller box receives signals from the IR remote.
- **IR Remote Controller:** Used to turn the lights on/off, change colors, adjust brightness, and select lighting modes.



Image: Individual components of the Timelux LED Strip Light system, including the coiled LED strip, the IR remote, and the USB power cable with controller.

5. Setup Instructions

1. **Prepare the Surface:** Clean the surface where you intend to install the LED strip. Ensure it is free of dust, dirt, and moisture. A clean, smooth surface will ensure strong adhesion.
2. **Connect Components:** Connect the 4-pin connector of the LED strip to the corresponding connector on the USB power cable with the controller box. Ensure the arrows on both connectors align for proper connection.



Image: Connection diagram for the LED strip and USB controller. Also shows the IR remote and a reminder to remove the plastic battery tab.

3. **Remove Battery Tab (Remote):** Before using the IR remote controller, pull out the transparent plastic insulation sheet from the battery compartment.
4. **Peel and Stick:** Carefully peel off the adhesive backing from the LED strip, starting from one end. Press the strip firmly onto the prepared surface as you go, ensuring good contact.
5. **Power On:** Plug the USB connector into a 5V USB power source (e.g., a TV's USB port, computer, or a standard USB wall adapter). The lights should illuminate.

6. Operating Instructions

Use the included IR remote controller to operate your Timelux LED Strip Lights. Point the remote directly at the IR receiver on the controller box for best results.

Remote Control Functions:

- **ON/OFF:** Power the lights on or off.
- **Brightness Control:** Use the *+ and *- buttons to adjust brightness from 1% to 100%.

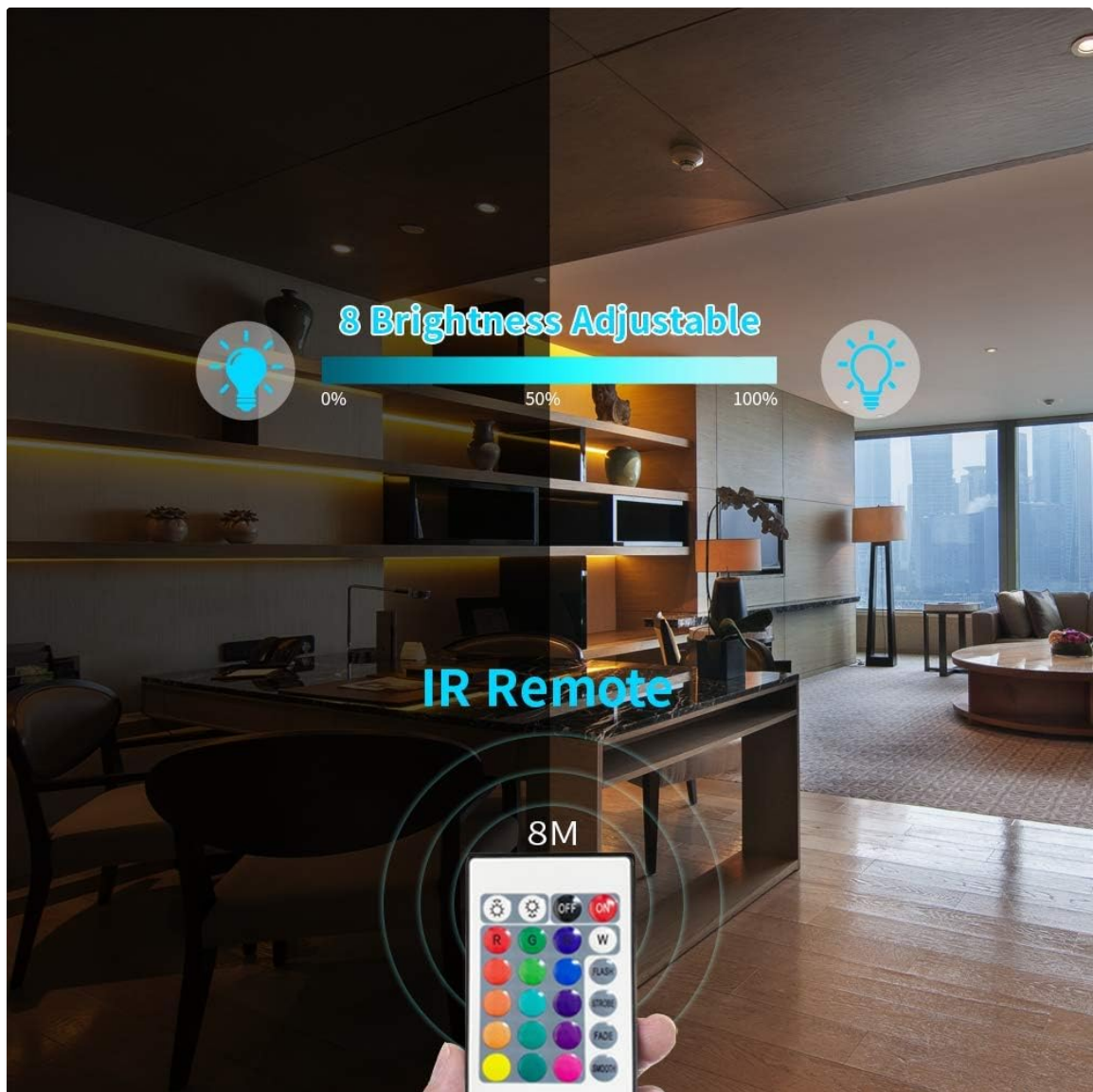


Image: An example of the LED strip lights installed in a room, demonstrating the 8 levels of brightness adjustable via the IR remote.

- **Color Selection:** Press the colored buttons (Red, Green, Blue, White, etc.) to select a static color.
- **DIY Colors:** Some remotes may have DIY buttons to create custom colors. Refer to your specific remote layout.
- **Mode Buttons:**
 - **FLASH:** Jumps between colors quickly.
 - **STROBE:** Fades in and out of a single color.
 - **FADE:** Smoothly transitions between colors.
 - **SMOOTH:** Gradual change between colors.

The lights are suitable for various indoor settings, including living rooms, kitchens, bedrooms, and for party decorations.



Image: A collage showcasing the versatility of the LED strip lights in different indoor environments such as kitchen cabinets, behind a TV, and in a bedroom.



Image: Another collage illustrating the use of LED strip lights for enhancing ambiance in diverse settings, including parties, poolside areas, and hallways.



Image: The LED strip lights illuminating an outdoor camping scene, powered by a portable power bank.

7. Maintenance

- **Cleaning:** Ensure the LED strip is unplugged before cleaning. Use a soft, dry cloth to gently wipe the strip. Do not use abrasive cleaners or immerse the strip in water.
- **Adhesion:** If the adhesive weakens over time, you may use additional adhesive clips or double-sided tape to secure the strip.
- **Storage:** If storing the lights for an extended period, coil them loosely and keep them in a cool, dry place away from direct sunlight.

8. Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lights do not turn on.	<ul style="list-style-type: none"> No power to USB port. Loose connection. Remote battery dead or tab not removed. IR receiver blocked. 	<ul style="list-style-type: none"> Check USB power source. Ensure all connections are secure, especially the 4-pin connector. Remove the plastic tab from the remote battery. Replace battery if needed. Ensure the IR receiver on the controller box is not obstructed.
Remote not responding.	<ul style="list-style-type: none"> Remote battery dead or tab not removed. IR receiver blocked or out of range. 	<ul style="list-style-type: none"> Remove the plastic tab from the remote battery. Replace battery if needed. Point the remote directly at the IR receiver. Ensure no obstructions.
Lights are dim or flickering.	<ul style="list-style-type: none"> Insufficient power supply. Brightness setting too low. 	<ul style="list-style-type: none"> Use a USB power source with sufficient output (e.g., 5V/1A or higher). Increase brightness using the remote control.
Adhesive not sticking.	<ul style="list-style-type: none"> Surface is dirty, dusty, or uneven. Temperature too low during installation. 	<ul style="list-style-type: none"> Clean and dry the surface thoroughly before application. Ensure installation is done in a room temperature environment. Use additional adhesive clips if necessary.

9. Specifications

Model Number	BRT-ST5050USB
Length	20ft (approximately 6 meters)
LED Type	5050 SMD LED
Number of LEDs	300
Color Output	RGB (Red, Green, Blue)
Voltage	DC 5V (USB Powered)
Wattage	10 Watts
Control Method	IR Remote Control
Indoor/Outdoor Use	Indoor Use Only
Water Resistance	Not Water Resistant
Item Weight	130 Grams (approx. 4.6 ounces)
Included Batteries	1 x Lithium Metal (for remote)

10. Warranty and Support

For warranty information or technical support, please contact the manufacturer, Britto company, or your

retailer. Keep your purchase receipt as proof of purchase.

Manufacturer: Britto company

UPC: 778809361980