MAODANER LB-Acrylic-Collect-MSS

MAODANER Tesla Interior LED Strip Light User Manual

Model: LB-Acrylic-Collect-MSS
Brand: MAODANER

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MAODANER Tesla Model 3/Y/S/X Dreamcolor Acrylic Interior Car LED Strip Light. This product is designed to enhance your vehicle's interior ambiance with vibrant, customizable lighting.



Image: Overview of the MAODANER Tesla Interior LED Strip Light installed in a car, showcasing its vibrant, multi-color illumination.

2. What's Included

Verify that all components are present in your package:

- 1 x 55.1-inch Acrylic Car Light Kit
- 1 x 30S Motion Sensor Switch
- 1 x Car Tape + Type-C Converter Head
- 1 x Remote Control
- 1 x Pry Tool
- USB Interface



Image: All components included in the MAODANER LED strip light kit, laid out clearly for identification.

3. Product Features

- **High Brightness & Uniform Illumination:** Features super bright LEDs and an acrylic lens for brighter, more uniform, and softer light spread compared to traditional optical fiber lamps.
- **Motion Sensor Switch:** Equipped with a 30-second motion sensor switch with a detection range of 0.33ft to 22.96ft, automatically activating upon human motion.
- **App Control & RGB Smart IC Dreamcolor:** Bluetooth-controlled via the "ZENGGE" app (iOS/Android) offering built-in color chase modes (bouncing, dancing, flashing) and static color options. Supports voice control and timed activation.
- **Multiple Control Modes:** Control via wireless "ZENGGE" APP, RF remote, or a hidden touch button (single touch for color change, long touch for on/off).
- **Music Sensor:** Built-in sound-sensitive function allows the lights to sync with music rhythm and voice captured from the microphone.
- **Safe to Use:** Operates at 12V, includes short circuit protection and memory function. Waterproof and extremely low-heat, safe for touch and children.
- **Wide Compatibility & Customization:** Universal for all Tesla Model 3/Y/S/X. The strip can be cut to desired

lengths for custom installation.



Image: Illustration of the three available control methods: remote, app, and RF remote control.



Image: Examples of the 16 million available colors and dynamic lighting modes, highlighting app and voice control capabilities.



Image: The automatic motion sensor switch, which turns lights off after 30 seconds of locking the car, with a diagram illustrating its detection range.



Image: Comparison highlighting the superior brightness, uniformity, and clean installation of the updated acrylic LED strip versus older fiber optic designs.

4. Setup and Installation

Follow these steps for proper installation of your LED strip light kit:

1. **Confirm Installation Position:** Identify the desired location for the light strip, such as the center console or dashboard.
2. **Insert Light Strip:** Gently insert the acrylic light strip into the gap with moderate force. Avoid excessive force.
3. **Route Wires:** Set the wires along the gap and slowly lower them down.
4. **Access Glove Box:** Gently pry open the side of the glove box using the provided pry tool to route the line.
5. **Connect Sensor Switch:** Connect the sensor switch to the USB Hub, typically located in the glove box.
6. **Connect Ambient Light USB:** Connect the USB of the environmental light to the sensor switch.



Image: Step-by-step visual guide for installing the LED strip light in a Tesla, from confirming position to connecting components.

Installation Videos:

Your browser does not support the video tag.

Video: This video demonstrates the connection steps for the Tesla Acrylic Interior LED Light, including connecting the USB Hub, sensor switch, and ambient light USB.

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Video: A comprehensive video showcasing the installation process of the Tesla Model 3 Y S X Acrylic Interior Car LED Strip Light, providing a visual guide for users.

5. Operating Instructions

5.1 Power On/Off

- **Long Press:** Press and hold the hidden touch button for 1-2 seconds to turn the lights on or off.
- **Automatic Sensor Switch:** The lights will automatically turn off 30 seconds after the car is locked.

5.2 Changing Colors and Modes

- **Single Touch:** Briefly touch the hidden touch button to cycle through different colors.
- **RF Remote Control:** Use the provided RF remote to change colors, adjust brightness, and select various modes.
- **"ZENGGE" App Control:**
    a. Turn on Bluetooth on your mobile device.
    b. Find and connect to the corresponding Bluetooth device in the app.
    c. Turn on the switch within the app.
    d. Explore 213 modes, customize colors, and utilize voice control and timed activation features.



Image: The "Symphony Car Ambient Light" feature, demonstrating how the lights can dance to music, enhancing the car's atmosphere.

5.3 Music Synchronization

The built-in sound-sensitive function allows the LED strip to react to music and voice. Ensure your device's microphone is enabled for the "ZENGGE" app to utilize this feature effectively.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to gently wipe the acrylic light strip and control unit. Avoid abrasive cleaners or excessive moisture.
- **Cable Management:** Periodically check that all cables are securely tucked away and not interfering with vehicle operation or passenger movement.
- **Storage:** If removing the lights for an extended period, store them in a cool, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

Problem	Possible Cause	Solution
Lights not turning on.	No power, loose connection, faulty sensor/switch.	Check USB connection to glove box. Ensure sensor switch is properly connected. Try long-pressing the touch button.
Lights not responding to app/remote.	Bluetooth not connected, remote battery low, interference.	Ensure Bluetooth is on and connected in the "ZENGGE" app. Replace remote battery. Reduce potential interference.
Lights are dim or uneven.	Power issue, strip not fully inserted.	Verify power supply. Ensure the acrylic strip is fully and evenly inserted into the gap.
Motion sensor not working.	Sensor obstructed, incorrect placement.	Ensure the sensor is not covered and is placed within its effective range (0.33ft to 22.96ft).

8. Specifications

- **Brand:** MAODANER
- **Model Number:** LB-Acrylic-Collect-MSS
- **Color:** Colorful & Dreamcolor
- **Form Factor:** Strip
- **Recommended Uses:** Vehicle Interior
- **Auto Part Position:** Center, Inner
- **Connectivity Technology:** Bluetooth, RF, USB, IR
- **Special Features:** Breath Effect, Multi-Color, Motion Sensor, Music Sync
- **Material:** Acrylic
- **Water Resistance Level:** Waterproof
- **Number of Pieces:** 1 (55.1-inch light strip)
- **Item Weight:** 6.4 ounces
- **Package Dimensions:** 8.23 x 6.73 x 2.64 inches

9. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official MAODANER website. Keep your purchase receipt for any warranty claims.