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› Yielinth Underglow Kit for Car - LED Lights with App and Remote Control (Model YLCUL001)

Yielinth YLCUL001

Yielinth Underglow Kit for Car Instruction Manual

Model: YLCUL001

Brand: Yielinth

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Yielinth Underglow Kit for Car. This LED lighting system is designed to enhance your vehicle's exterior with customizable RGB lighting effects, controlled via a smartphone application or a dedicated remote control. It features 16 million colors, various preset modes, music synchronization, and DIY customization options.



Image 1.1: Yielinth Underglow Kit installed on a vehicle and its components.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in electrical shock, fire, or serious injury.

- Ensure the vehicle's power is disconnected before beginning installation to prevent electrical hazards.
- Do not modify the product in any way not described in this manual. Unauthorized modifications may void the warranty and create safety risks.
- Keep all wiring secured and away from moving parts, hot surfaces, and sharp edges to prevent damage and short circuits.
- Verify that the power supply is 12V DC, as specified for this product. Incorrect voltage can damage the lights.
- The LED strips are IP68 waterproof; however, ensure all electrical connections are properly sealed and protected from moisture.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- LED Light Strips (2 x 35 inch, 2 x 47 inch)
- Control Box
- RF Remote Control (with 1 CR2032 battery included)
- Power Cable with 12V Cigarette Lighter Adapter
- Direct Wiring Harness with In-line Fuse
- Mounting Hardware (Cable Ties, Screws, Clips)
- Instruction Manual



Image 3.1: Contents of the Yielinth Underglow Kit.

4. INSTALLATION GUIDE

Follow these steps for proper installation of your underglow kit. Professional installation is recommended for direct wiring to the vehicle's battery.

4.1. Pre-Installation

1. **Clean Surface:** Ensure the mounting surfaces under your vehicle are clean, dry, and free of debris.
2. **Plan Layout:** Determine the optimal placement for each LED strip (two 35-inch and two 47-inch strips) to achieve desired lighting coverage. The 2-line design allows for flexible placement along the vehicle's sides.
3. **Test Functionality:** Before permanent installation, connect the strips to the control box and power source to ensure all components are working correctly.

4.2. Mounting the LED Strips

The LED strips feature strong self-adhesive tape for easy attachment. For added security, use the provided cable ties and clips.

1. Peel off the backing from the 3M adhesive tape on each LED strip.
2. Carefully press the strips onto the chosen clean, smooth surfaces under the vehicle.
3. Use the provided cable ties and clips to further secure the strips, especially in areas exposed to vibration or potential impact.

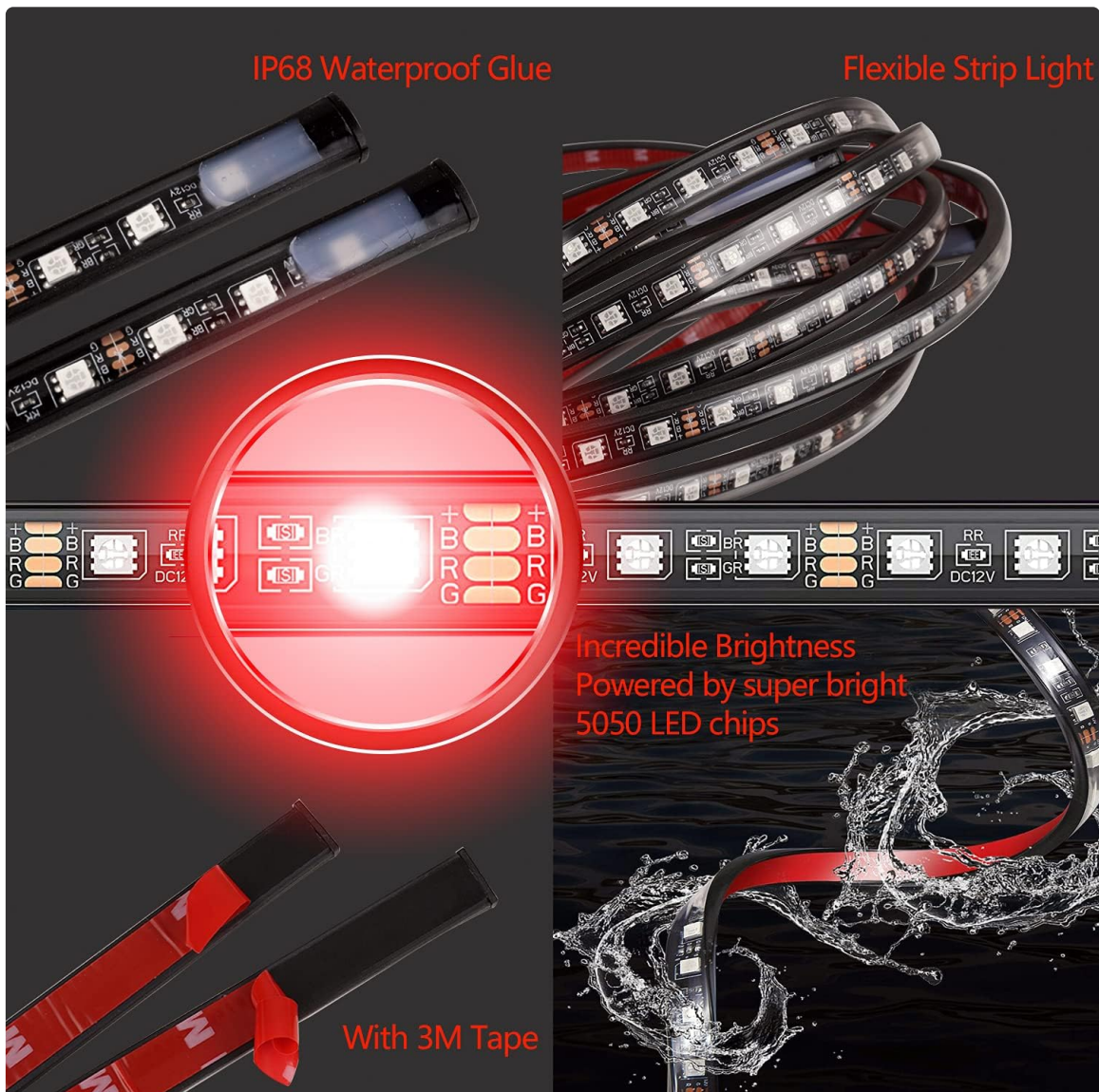


Image 4.1: LED strip features including waterproofing and adhesive backing.



Image 4.2: 2-Line Design and dimensions for optimal placement.

4.3. Power Connection

You have two options for powering the underglow kit:

1. **12V Cigarette Lighter Adapter:** Plug the cigarette lighter adapter into your vehicle's 12V cigarette port. This option includes an easy ON/OFF switch.
2. **Direct Wiring (Recommended for permanent installation):** Connect the red wire to the positive (+) terminal of your vehicle's 12V battery and the black wire to the negative (-) terminal. Ensure the in-line fuse is properly installed for circuit protection.



Image 4.3: Power connection options.

4.4. Video Installation Guide

Your browser does not support the video tag. This video demonstrates the installation process for the Yielinth Underglow Kit, including wiring and mounting.

Video 4.1: Installation demonstration for the Yielinth Underglow Kit.

5. OPERATING INSTRUCTIONS

The Yielinth Underglow Kit offers two primary control methods: a smartphone application and an RF remote control.

5.1. Smartphone App Control

1. **Download App:** Scan the QR code on the control box or visit <http://www.easytrack.net.cn/download/> to download the "Smart Life" or "Smart Living" app (Android & iOS compatible).

2. **Bluetooth Connection:** Enable Bluetooth on your smartphone. Open the app, and it should automatically detect the underglow kit. Follow the in-app instructions to connect.
3. **Functions:** The app provides extensive control over the lights, including:
 - **Color Wheel:** Select from 16 million RGB colors.
 - **Brightness Adjustment:** Increase or decrease light intensity.
 - **Preset Modes:** Choose from 29 dynamic lighting modes (e.g., Good Night, Leisure, Grassland, Colorful, Dazzling, Gorgeous, Blue Sky, Ocean).
 - **Music Mode:** Lights synchronize with music played through your phone's microphone.
 - **DIY Mode:** Create and save custom color patterns and effects.
 - **Timer Setting:** Schedule when the lights turn on or off.



Image 5.1: Functional App Control interface.

5.2. RF Remote Control

The included 24-key RF remote control provides quick access to essential functions:

- **ON/OFF:** Power the lights on or off.
- **Color Selection:** Direct buttons for common colors (Red, Green, Blue, White, Orange, Yellow, Cyan, Pink).
- **Brightness:** Adjust brightness levels.

- **Mode Selection:** Buttons for jump, fade, and sound-active modes.
- **Music Control:** Activate music synchronization.



Image 5.2: RF Remote Control functions.

5.3. Video Demonstrating Features

Your browser does not support the video tag. This video showcases various lighting effects and features of the Yielinth Underglow Kit.

Video 5.3: Demonstration of various lighting effects and features.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Yielinth Underglow Kit, follow these maintenance guidelines:

- **Cleaning:** Periodically clean the LED strips with a soft, damp cloth to remove dirt and grime. Avoid using harsh chemicals or abrasive cleaners.

- **Connection Check:** Regularly inspect all wiring and connections for any signs of wear, corrosion, or looseness. Secure any loose connections immediately.
- **Adhesive/Mounting:** Check the adhesive and cable ties periodically to ensure the strips remain securely attached to the vehicle. Re-secure or replace as needed.
- **Water Protection:** While the strips are waterproof, ensure the control box and all electrical connections remain protected from direct water exposure.

7. TROUBLESHOOTING

If you encounter issues with your Yielinth Underglow Kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights not turning on	No power supply; Loose connection; Blown fuse; Remote battery dead.	Check power source (cigarette lighter or battery terminals). Ensure all connections are secure. Replace in-line fuse if blown. Replace CR2032 battery in remote.
Colors not changing/Incorrect colors	App/Remote not connected; Faulty LED strip.	Ensure app is connected via Bluetooth or remote is within range. Re-pair if necessary. Inspect LED strips for physical damage.
App cannot connect to device	Bluetooth off; App not updated; Device not powered on.	Ensure Bluetooth is enabled on your phone. Update the app to the latest version. Confirm the underglow kit is powered on. Try restarting the app and the vehicle's power.
Lights flicker or dim	Low voltage; Loose connection; Damaged wiring.	Check vehicle's battery voltage. Secure all connections. Inspect wiring for cuts or damage.

8. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	Yielinth
Model	YLCUL001
OEM Part Number	YLCUL-00B-1
Color Options	16 Million RGB Colors (Customizable)
Control Methods	Bluetooth App (Smart Life/Smart Living), 24-Key RF Remote Control
Power Input	DC 12V
LED Type	High Intensity 3 In 1 RGB LED chip (5050 LED chips)
Number of Pieces	4 (2 x 35 inch, 2 x 47 inch)
Water Resistance Level	IP68 Waterproof
Material	Rubber
Operating Temperature	-20°C to 80°C (-4°F to 176°F)
Remote Battery	1 CR2032 battery (included)
Item Weight	0.75 Kilograms (1.65 pounds)
Automotive Fit Type	Universal Fit (Passenger Car, Golf Cart, ATV, SUV, Truck, Tractor, Pickup Truck, Trailer)

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Yielinth customer service directly. Specific warranty terms may vary by region and retailer.