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Kairiyard motorcycle light kit-1

Kairiyard 8-Piece Motorcycle Underglow LED Light Kit Instruction Manual

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Kairiyard 8-Piece Motorcycle Underglow LED Light Kit. This kit features app control, multicolor lighting, and music synchronization, designed for various 12-volt vehicles.

Safety Information

- Ensure the vehicle's power is disconnected before installation to prevent electrical shock or damage.
- Verify all wiring connections are secure and properly insulated to prevent short circuits.
- Do not modify the LED strips or control unit. Unauthorized modifications may void the warranty and pose safety risks.
- Keep the control unit and wiring away from extreme heat sources, moving parts, and areas prone to excessive vibration.
- This product is designed for 12-volt DC power systems only. Connecting to other voltage systems may cause damage.
- Ensure the lights do not obstruct the driver's view or interfere with the vehicle's essential lighting or safety features.

Package Contents

The Kairiyard 8-Piece Motorcycle Underglow LED Light Kit includes:

- 8 x LED Light Strips (various lengths)
- 1 x Control Unit with Bluetooth Connectivity
- Wiring Harness
- Adhesive Tape (pre-applied to strips)
- Mounting Clips/Zip Ties

Note: Specific components may vary slightly. Please inspect your package upon receipt.

Setup and Installation

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

1. **Planning Placement:** Before applying adhesive, plan the placement of each LED strip on your motorcycle, ATV, car, or truck. Consider areas that are clean, dry, and offer good adhesion. Ensure the strips will not interfere with moving parts or be exposed to direct impact.

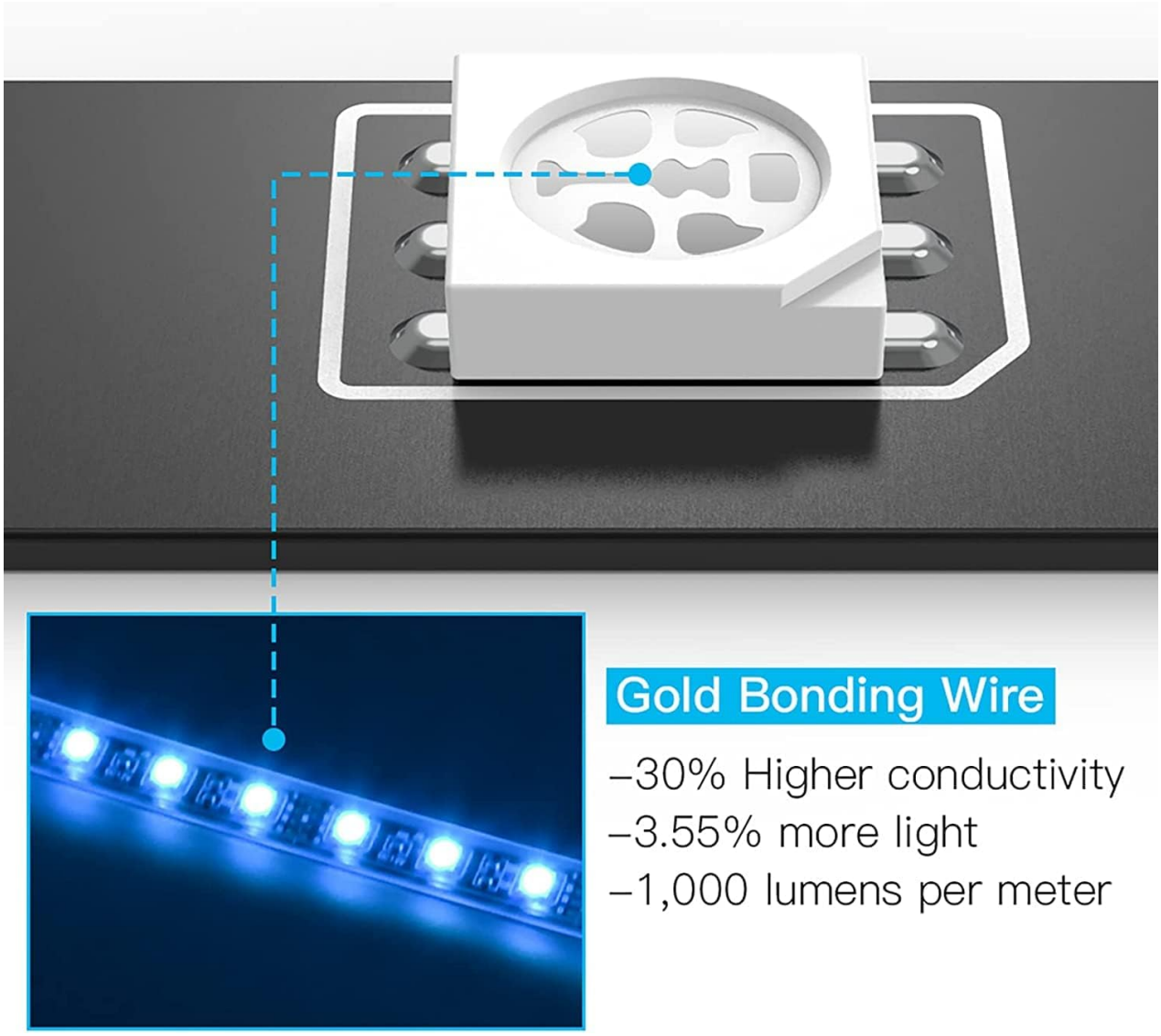


Image: Suggested installation positions on a motorcycle frame and forks. Position A indicates under the fuel tank, B along the frame, and C on the front forks.

2. **Surface Preparation:** Clean the chosen surfaces thoroughly with rubbing alcohol to remove any dirt, grease, or wax. Allow the surface to dry completely.

3. **Applying LED Strips:** Peel the backing from the adhesive tape on each LED strip and firmly press the strip onto the prepared surface. Hold for a few seconds to ensure good contact. Utilize the provided clips or zip ties for additional security, especially in high-vibration areas.



Image: Detail of an LED strip demonstrating its flexibility and the strong adhesive on the back for secure mounting.

4. **Wiring Connection:** Connect the LED strips to the main control unit. Ensure all connections are snug. Route the wiring carefully, avoiding hot engine parts, exhaust, and moving components. Secure excess wiring with zip ties to prevent snagging or damage.



Image: A schematic showing the control unit connected to eight LED strips of different lengths (7.88 inches, 59.05 inches, 78.74 inches, 8.86 inches, 6.89 inches, 12.8 inches) and a QR code for app download.

5. **Power Connection:** Connect the main power wire from the control unit to a 12-volt DC power source on your vehicle. It is recommended to connect to a switched power source (e.g., ignition-controlled) to prevent battery drain when the vehicle is off. If connecting directly to the battery, consider installing an inline switch (not included) to manually cut power.
6. **Test Functionality:** Before finalizing all connections and securing all wiring, test the lights to ensure they function correctly.

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Video: An overview of the Kairiyard 8-piece motorcycle underglow LED light kit, demonstrating its features and app control.

Operating Instructions

The Kairiyard LED Light Kit is controlled via a mobile application.

1. **App Download:** Scan the QR code on the control unit or refer to the product packaging to download the compatible mobile application. The app supports Android 4.3 and iOS 7.0 or above.

Download the HappyLighting App here

[Download the SHENZHENSHUANGHONGYUAN App here]

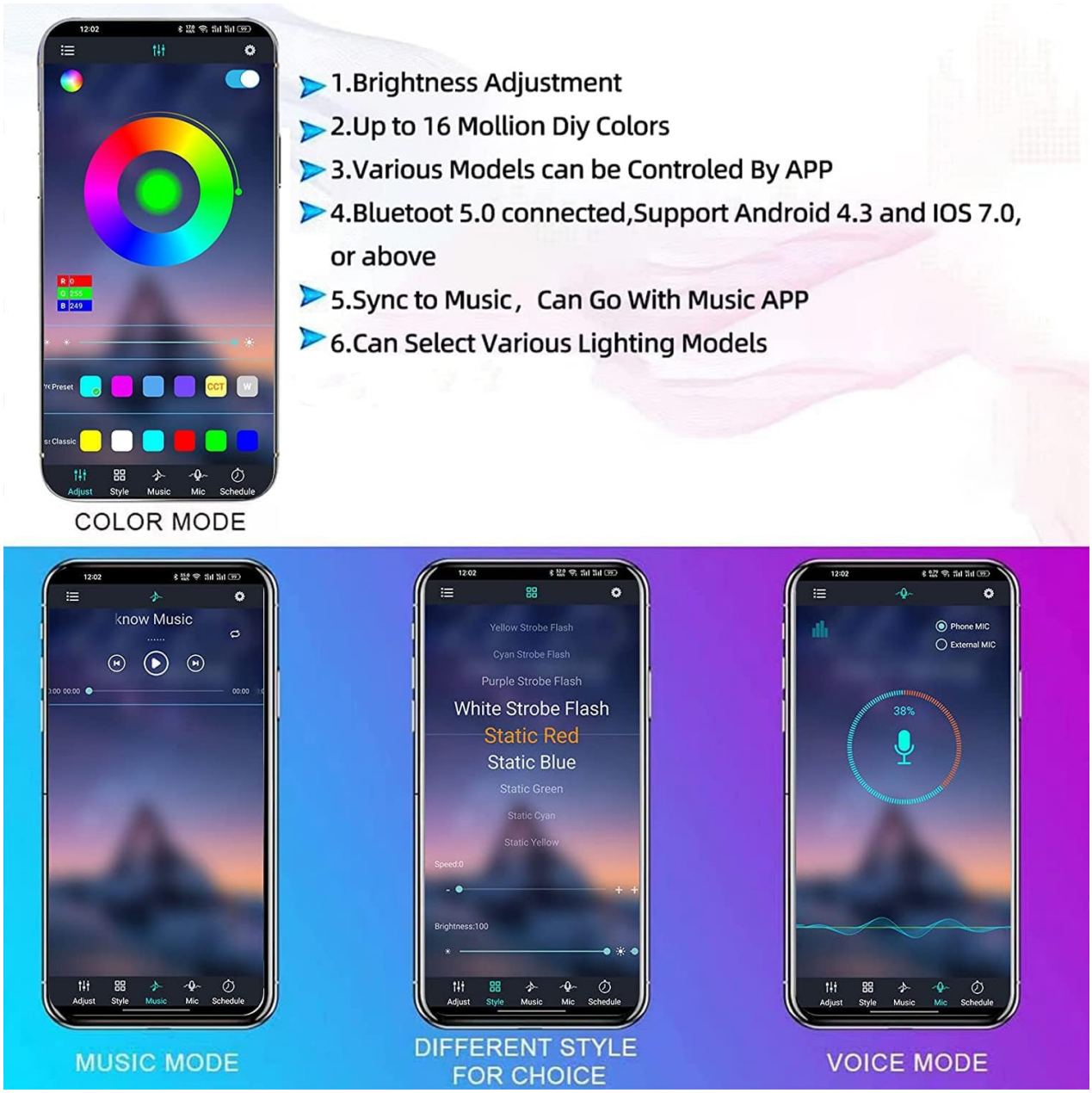


Image: The mobile application interface, demonstrating options for color selection via a color wheel, music synchronization, and voice control modes.

2. **Bluetooth Connection:** Ensure Bluetooth is enabled on your smartphone. Open the app, and it should automatically detect and connect to the light kit's control unit. The control range is up to 20 meters.
3. **Color and Mode Selection:**
    - **16 Million Colors:** Use the color wheel within the app to select from a wide spectrum of colors.
    - **DIY Lighting Effects:** Customize and save your preferred lighting effects.
    - **Multi-color Modes:** Choose from various pre-set modes such as colorful gradient, monochrome, double color gradient, and flashing modes.
    - **Adjustable Brightness:** Adjust the intensity of the lights to your preference.
    - **Adjustable Speed:** For dynamic modes, modify the speed of color changes or effects.



Image: A motorcycle illuminated with various LED colors, demonstrating the wide range of color options available through the app control.

4. **Music Sync Mode:** Activate the music sync feature in the app. The lights will change and pulse in rhythm with music played through your phone's microphone or internal music library.



Image: A motorcycle with red underglow lights, illustrating the music sync feature where lights respond to audio.

Maintenance

- **Cleaning:** Clean the LED strips and control unit with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Waterproof Design:** The LED lights feature an IP68 waterproof rating, meaning they are sealed against dust and water ingress. However, avoid prolonged submersion or high-pressure washing directly on the strips to ensure longevity.



Image: An LED strip immersed in water, highlighting its waterproof construction and sealed ends.

- **Durability:** The LED light beads are high-quality RGB 5050 chips designed for over 50,000 hours of lighting.
- **Wiring Inspection:** Periodically check all wiring and connections for any signs of wear, fraying, or corrosion. Secure any loose connections.

Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on.	No power connection, loose wiring, or blown fuse.	Check power connections to the vehicle's 12V source. Inspect all wiring for secure connections. Check the vehicle's fuse box for any blown fuses.

Lights are dim or flicker.	Low voltage, poor connection, or damaged LED strip.	Ensure the vehicle's battery is fully charged. Check all wiring for corrosion or loose connections. If a single strip is affected, it may be damaged and require replacement.
App cannot connect to the lights.	Bluetooth is off, app issue, or control unit is not powered.	Ensure Bluetooth is enabled on your phone. Restart the app and try again. Verify the light kit is receiving power. Try restarting your phone.
Lights remain on after vehicle is off (battery drain).	Connected to a constant power source.	It is recommended to connect the kit to a switched 12V power source (e.g., ignition-controlled) that turns off with the vehicle. If connected directly to the battery, install an external on/off switch to prevent battery drain. Remember to turn off the lights via the app when not in use.
Multiple kits interfere with each other.	Kits operating on the same Bluetooth frequency.	If using multiple kits in close proximity, they may share the same control frequency. To avoid interference, turn off one kit via the app while configuring the other. There is no current solution for independent control of multiple identical kits in the same area.

Specifications

Brand: Kairiyard

Model Number: motorcycle light kit-1

Color: Multicolor (RGB)

Light Source Type: LED (RGB 5050 chip)

Voltage: 12 Volts DC

Water Resistance Level: IP68 Waterproof

Connectivity Technology: Bluetooth 5.0

Control Method: Mobile Phone App (Android 4.3+, iOS 7.0+)

Number of Pieces: 8 LED Light Strips

Material: LED light beads and waterproof casing

Lifespan: >50,000 lighting hours

Vehicle Service Type: ATV, Motorcycle, Passenger Car, SUV, Truck (Universal Fit)

Warranty Information

This Kairiyard LED Light Kit comes with a**12-month manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, abuse, modification, or unauthorized repair.

For warranty claims, please retain your proof of purchase and contact Kairiyard customer support.

Support

For further assistance, technical support, or inquiries regarding your Kairiyard LED Light Kit, please visit the official Kairiyard Store on Amazon or contact their customer service directly.

Visit the Kairiyard Store

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