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VGEBY RC Lighting System 12 LED

VGEBY RC Lighting System 12 LED RC Car Lighting Kit

User Manual

Model: RC Lighting System 12 LED
Brand: VGEBY

Introduction

This manual provides instructions for the installation, operation, and maintenance of the VGEBY RC Lighting System 12 LED RC Car Lighting Kit. This system is designed to enhance the visual realism and functionality of 1/10 and 1/8 scale RC cars, trucks, and crawlers.

Key Features

- **Supports High Voltage and General Receivers:** Ensures seamless integration with various RC setups.
- **Compatible with 1/10 & 1/8 RC Car / Truck / Crawler:**Easily installable on a wide range of models, including those with 2.4G transmitters like GT2 / GT3B.
- **Enhances RC Experience:** Adds detail and functionality, making your RC vehicle stand out.
- **Easy Installation Process:** Designed for direct installation on the RC car shell.
- **Bright and Vivid LED Lights:** Features 12 LED lights, including white headlights, blue taillights, red brake lights, and yellow turn lights for a complete lighting system.

Package Contents

The VGEBY RC Lighting System 12 LED Kit includes the following components:

- 1x Main Control Unit
- 4x White LED Headlights
- 2x Blue LED Taillights
- 2x Red LED Brake Lights
- 4x Yellow LED Turn Lights
- Connection Cables



This image displays all parts included in the VGEBY 12 LED RC Lighting System kit. It features the central control board, four white LED headlights, two blue LED taillights, two red LED brake lights, and four yellow LED turn lights, along with their connecting wires.

Specifications

Feature	Detail
Material	Plastic
Suitable for	1/10, 1/8 RC Car / Truck / Crawler
LED Quantity	12 Pieces
Light Colors	White, Red, Yellow, Blue
Connection Method	CH1-Servo, CH2-ESC, CH3-Receiver / Controller Switch
LED Light Cable Length	Approx. 30cm / 11.8 inches
Item Weight	0.06 Kilograms

Voltage	12 Volts
Power Source	Battery Powered
Mounting Type	Shell Mount
Compatible Transmitters	2.4G GT2 / GT3B or others

Installation Guide

The lighting system is designed for direct installation onto your RC car shell. Follow these steps for proper connection:

Connection Methods

- **CH2 Transmitter Setup:** Connect the servo and Electronic Speed Controller (ESC) to CH1 and CH2 on the lighting system's control unit. Then, connect the CH1 and CH2 outputs from the lighting system to the corresponding CH1 and CH2 ports on your receiver.
- **CH3 Transmitter Setup:** Connect the servo and ESC plugs to CH1 and CH2 on the lighting system's control unit. Subsequently, connect the CH1, CH2, and CH3 outputs from the lighting system to the receiver. Note that CH3 is exclusively for connection to the receiver for additional control.



This image shows the connection ports on the lighting system's control unit, clearly labeled CH1, CH2, and CH3. These ports are used to connect the system to your RC receiver and Electronic Speed Controller (ESC) for power and signal.



This image displays the VGEBY RC Lighting System's control board, highlighting the connections for the individual LED lights and the main input channels. A label indicates an 'Improved design circuit board', suggesting enhanced reliability and performance.

Operating Instructions

The VGEBY RC Lighting System provides realistic lighting functions controlled by your RC transmitter.

Light Functions

- **Headlights (4 white LED lights):**
  - If connected to CH3 on the receiver, the transmitter can independently control one group of headlights. Another group of headlights will illuminate when the RC car speeds up.
  - If not connected to CH3, one group of headlights will always be on, and the other group will illuminate when the car speeds up.
- **Turn Lights (4 yellow LED lights):** These lights will flash synchronously with the direction changes made via your controller.
- **Taillights (2 blue LED lights + 2 red LED lights):**
  - The blue lights are always on. They will turn off when the headlights are activated or when braking.
  - The red lights will only illuminate when the RC car is braking.



This image provides a detailed view of the individual LED lights included in the kit. It clearly labels the yellow LEDs as turn lights, the blue and red LEDs as taillights, and the white LEDs as headlights, illustrating their distinct colors and functions.

Maintenance

- Keep the lighting system clean and free from dirt, dust, and moisture.
- Regularly check all wire connections to ensure they are secure and undamaged.
- Avoid exposing the system to extreme temperatures or direct sunlight for prolonged periods.
- If any LED light stops working, inspect its connection. If the LED itself is faulty, it may need replacement.

Troubleshooting

- **Lights not turning on:**
  - Check all power connections to the receiver and the lighting system.
  - Ensure the battery is charged and providing sufficient power.

    - Verify that the CH1 and CH2 connections from the lighting system to the receiver are correct.
- **Specific lights not working:**
    - Inspect the individual LED wire connections to the control board.
    - Check for any visible damage to the LED or its wire.
- **Turn lights not flashing:**
    - Ensure your transmitter's steering input is correctly calibrated and recognized by the receiver and lighting system.
- **Brake lights not activating:**
    - Confirm that the ESC is properly connected to CH2 of the lighting system and that the braking signal is being transmitted correctly.

Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact VGEBY customer service directly. Keep your purchase receipt as proof of purchase.

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