

LIGHTAILING LGK464

LIGHTAILING LED Light Kit for LEGO 42128 Technic Heavy-Duty Tow Truck Instruction Manual

Brand: LIGHTAILING | Model: LGK464

1. INTRODUCTION

This manual provides detailed instructions for installing and operating your LIGHTAILING LED Light Kit, designed specifically for the LEGO 42128 Technic Heavy-Duty Tow Truck model. This kit enhances your model with custom lighting, bringing new vitality to your building blocks. Please read all instructions carefully before beginning installation.

2. PACKAGE CONTENTS

Your LIGHTAILING LED Light Kit package includes the following components:

- 1 USB Light Kit
- 1 Instruction Guide
- 1 Battery Box
- Various LED lights and connecting wires

Note: The LEGO 42128 Technic Heavy-Duty Tow Truck model is NOT included with this light kit.



Figure 2.1: Contents of the LIGHTAILING LED Light Kit package. Includes the USB light kit, instruction guide, and battery box. The LEGO model is sold separately.



Figure 2.2: Visual representation of the LIGHTAILING LED Light Kit package contents.

3. SETUP AND INSTALLATION

The installation of the light set is done to your preference. Please install your LED light carefully, avoiding hard pulling, bending, or shaking of the wires and components.

3.1 Power Requirements

To power the light kit, you will need either three AA batteries (not included) for the battery box, or a USB charger. The voltage should be less than 5V to prevent damage to the lights.

3.2 General Installation Guidelines

1. **Prepare your LEGO model:** Ensure your LEGO 42128 Technic Heavy-Duty Tow Truck model is fully assembled before installing the light kit.
2. **Identify placement:** Refer to the included instruction guide and installation videos to determine the optimal placement for each LED light.
3. **Connect components:** Carefully connect the LED lights to the main USB light kit and then to the battery box or USB power source. Ensure all connections are secure.
4. **Route wires:** Strategically route the wires to conceal them within the LEGO model's structure. Avoid pinching wires between bricks or moving parts.
5. **Test lights:** Periodically test the lights during installation to ensure they are functioning correctly.

3.3 Installation Video Guide

For a detailed visual guide on the installation process, please refer to the official installation video below. This video covers specific steps for integrating the light kit with your LEGO 42128 model.

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Video 3.1: LIGHTAILING Light for Lego 42128 Installation Video Part 3. This video demonstrates the process of installing the LED light kit onto the LEGO Technic Heavy-Duty Tow Truck model, focusing on wiring and component placement.

Additional product overview video:

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Video 3.2: LIGHTAILING Led Light FOR Lego 42128. This video provides a general overview of the light kit and its effects on the LEGO Technic Heavy-Duty Tow Truck model.

4. OPERATING INSTRUCTIONS

Once the light kit is fully installed and connected to a power source (either 3 AA batteries in the battery box or a 5V USB charger), the lights will illuminate. There are no complex controls; the system is designed for simple plug-and-play operation.



Figure 4.1: Comparison of the LEGO model without lights and with the LIGHTAILING LED kit installed, showcasing the enhanced illumination.



Figure 4.2: The LEGO Technic Heavy-Duty Tow Truck model illuminated by the LIGHTAILING LED kit, showcasing its display potential.

5. MAINTENANCE

To ensure the longevity and optimal performance of your LIGHTAILING LED Light Kit, follow these maintenance guidelines:

- **Handle with care:** The LED lights and wires are delicate. Avoid excessive force, bending, or sharp tugs during handling and installation.
- **Dusting:** Regularly dust your LEGO model and light kit using a soft, dry cloth or a soft brush to prevent dust buildup, which can affect light brightness and component lifespan.
- **Power source:** If using batteries, replace them when the lights dim to maintain consistent brightness. If using a USB power source, ensure it provides a stable 5V output.
- **Storage:** If disassembling the model or storing the light kit, carefully disconnect and coil the wires to prevent tangling or damage.

6. TROUBLESHOOTING

If you encounter any issues with your LIGHTAILING LED Light Kit, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lights do not turn on.	<ul style="list-style-type: none"> • Incorrect power connection. • Dead batteries (if using battery box). • Faulty USB power source. • Loose wire connection. 	<ul style="list-style-type: none"> • Ensure the USB connector is fully inserted into the power source. • Replace batteries with fresh AA batteries. • Try a different USB port or charger (ensure it's 5V). • Check all wire connections to ensure they are secure.
Some lights are dim or flickering.	<ul style="list-style-type: none"> • Low battery power. • Loose connection to a specific LED. • Damaged wire or LED. 	<ul style="list-style-type: none"> • Replace batteries or use a stable USB power source. • Gently check the connection points for the affected LEDs. • Inspect wires for visible damage. If an LED is damaged, contact support.
Wires are visible or interfering with model functions.	<ul style="list-style-type: none"> • Improper wire routing. 	<ul style="list-style-type: none"> • Carefully re-route wires to be hidden within the LEGO structure. Use the provided instruction guide and videos for guidance on optimal wire placement.

7. SPECIFICATIONS

Feature	Detail
Brand	LIGHTAILING
Model Number	LGK464
Compatible LEGO Set	LEGO 42128 Technic Heavy-Duty Tow Truck
Light Source Type	Light Emitting Diode (LED)
Material	Plastic
Power Source	Battery Powered (3 AA batteries required, not included) or USB Charger

Feature	Detail
Voltage	Less than 5 Volts (for USB)
Wattage	0.03 Watts (per light source)
Mounting Type	Model Integration
Bulb Features	Handmade, Unique Design

8. WARRANTY AND SUPPORT

LIGHTAILING is specialized in custom-designed lighting kit toys and aims to supply customers with good products and quality services. While specific warranty details are not provided, if you have any problems or questions regarding your light kit, please do not hesitate to contact LIGHTAILING customer support. They are committed to assisting you for a happy shopping experience.

For support, please visit the [LIGHTAILING Store on Amazon](#) or refer to the contact information provided in your product packaging.