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BRIKSMAX 42152

BRIKSMAX LED Lighting Kit for LEGO Technic 42152 Firefighter Aircraft - Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation and operation of the BRIKSMAX LED Lighting Kit designed specifically for the LEGO Technic 42152 Firefighter Aircraft model. This lighting kit is intended to enhance the visual display of your LEGO model by adding integrated LED lights. Please read all instructions carefully before beginning installation.

2. SAFETY INFORMATION

- **Small Parts Warning:** This kit contains small parts that may pose a choking hazard for children under 3 years of age. Keep all components out of reach of small children.
- **Electrical Safety:** Ensure all connections are secure and correctly made to prevent short circuits. Do not expose the lighting components to water or excessive moisture.
- **Battery Handling:** If using a battery box, ensure batteries are inserted with correct polarity. Do not mix old and new batteries or different types of batteries. Remove batteries if the kit will not be used for an extended period.
- **Gentle Handling:** LED wires are delicate. Handle them with care during installation to avoid damage.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your BRIKSMAX LED Lighting Kit package. The LEGO Technic 42152 Firefighter Aircraft model is not included with this lighting kit.



Image: Overview of the BRIKSMAX LED Lighting Kit package contents, including various lights, cables, expansion boards, and a battery box.

Item	Quantity	Description
30cm White Dot Lights	1	For general illumination.
Warm White Strip Light(s)	1	For cockpit or interior lighting.
Adhesive Squares	1	For securing components.
30cm Red Dot Lights	1	For navigation or warning lights.
6-port Expansion Boards	1	To connect multiple light components.
Block Part (Random Color)	1	Small LEGO-compatible block for integration.
30cm Slow Flashing Red Dot Lights	1	For specific flashing effects.

Item	Quantity	Description
30cm Connecting Cables	2	To extend connections between components.
Block Part (Random Color)	1	Small LEGO-compatible block for integration.
30cm Slow Flashing Green Dot Lights	1	For specific flashing effects.
50cm Connecting Cables	1	Longer cable for extended connections.
Building Block Type Battery Box (AA battery)	1	Power source (AA batteries not included).
Adhesive Light Strip White	2	Additional adhesive light strips.
30cm USB Power Cable	1	Alternative power source via USB.

4. SETUP AND INSTALLATION

The installation process involves carefully integrating the LED components into your existing LEGO Technic 42152 Firefighter Aircraft model. A step-by-step instruction guide is included with your kit to facilitate the process. It is recommended to follow these instructions precisely.

- Preparation:** Ensure your LEGO model is fully assembled according to its original instructions. Identify the areas where lights will be installed as indicated in the BRIKSMAX guide.
- Disassembly (if necessary):** Some sections of your LEGO model may need to be partially disassembled to properly route wires and place lights. Refer to the specific steps in your BRIKSMAX instruction manual.
- Component Placement:** Carefully place the LED lights in the designated positions. Use the adhesive squares provided to secure lights or wires where necessary.
- Wire Routing:** Route the delicate wires along the structure of the LEGO model, ensuring they are hidden and not pinched by LEGO bricks. Utilize the connecting cables and expansion boards to link all lights to the main power source.
- Power Connection:** Connect the assembled lighting system to either the battery box (insert AA batteries, not included) or the USB power cable.
- Testing:** Before reassembling all LEGO parts, test the lighting system to ensure all lights function correctly.
- Final Assembly:** Reassemble any disassembled LEGO sections, ensuring wires are not damaged during the process.



Image: The LEGO Technic 42152 Firefighter Aircraft model illuminated by the BRIKSMAX LED Lighting Kit, shown from a front-side perspective.



Image: The LEGO Technic 42152 Firefighter Aircraft model illuminated by the BRIKSMAX LED Lighting Kit, shown from a direct front view.



Image: The LEGO Technic 42152 Firefighter Aircraft model illuminated by the BRIKSMAX LED Lighting Kit, shown from a rear-side perspective.



Image: A close-up view of the cockpit area of the LEGO Firefighter Aircraft, showing the integrated LED lighting.



Image: A detailed view of the fuselage of the LEGO Firefighter Aircraft, highlighting the subtle integration of the LED lights.

ABOUT WHAT INCLUDED



Image: A close-up of the tail section of the LEGO Firefighter Aircraft, showing the red LED lights installed.

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Video: A demonstration of the BRIKSMAX LED Lighting Kit installed on the LEGO Technic 42152 Firefighter Aircraft, showcasing various illuminated sections and effects.

5. OPERATING INSTRUCTIONS

Once the BRIKSMAX LED Lighting Kit is fully installed and connected to a power source, operating the lights is straightforward.

- **Power On/Off:** If using the battery box, ensure batteries are correctly installed and switch the power button to the 'ON' position to activate the lights. Switch to 'OFF' to turn them off. If using the USB power cable, connect it to a compatible USB power source (e.g., a USB wall adapter, power bank, or computer USB port) to turn the lights on. Disconnect to turn them off.
- **Light Effects:** The kit includes both steady and slow-flashing lights (red and green dot lights). These effects are pre-programmed into the respective LED components and will activate automatically upon power-up.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BRIKSMAX LED Lighting Kit.

- **Cleaning:** To clean the LED components or wires, gently wipe them with a dry, soft cloth. Avoid using liquids or abrasive cleaners.
- **Battery Replacement:** If using the battery box and lights dim or stop working, replace the AA batteries. Ensure correct polarity during replacement.
- **Storage:** If storing the LEGO model with the lighting kit for an extended period, it is recommended to remove the batteries from the battery box to prevent leakage.
- **Wire Inspection:** Periodically inspect wires for any signs of wear, fraying, or damage. If damage is found, discontinue use and contact support.

7. TROUBLESHOOTING

If you encounter issues with your BRIKSMAX LED Lighting Kit, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
Lights do not turn on.	No power, incorrect battery installation, loose connection.	Check if the battery box switch is ON or if the USB cable is connected to a working power source. Ensure batteries are correctly inserted. Verify all wire connections are secure.
Some lights are not working.	Loose connection, damaged LED, faulty expansion board.	Check the connections for the specific non-working lights to the expansion board. Inspect the wire for damage. If a single LED is damaged, it may need replacement.
Lights are dim or flickering.	Low battery power, unstable power source.	Replace batteries in the battery box. If using USB, try a different USB port or power adapter.
Wires are visible or pinched.	Improper wire routing during installation.	Carefully re-route wires to be hidden within the LEGO structure. Ensure no bricks are pressing excessively on the wires.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	6.5 x 4.72 x 1.77 inches
Item Weight	4.6 ounces
Model Number	42152 (for compatible LEGO set)
Manufacturer	Briksmax
Recommended Age	8 months and up (for compatible LEGO set)
Power Source	Battery Box (AA batteries, not included) or USB Power Cable

9. WARRANTY AND SUPPORT

BRIKSMAX is committed to providing quality products and excellent customer service. If you encounter any difficulties with your product or require assistance, please do not hesitate to contact us.

- **Customer Service:** For support, please refer to the contact information provided on the BRIKSMAX official website or the service card included in your package.
- **Warranty:** Information regarding product warranty can be found on the BRIKSMAX official website or by contacting customer support directly.



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