

OWNONE 1 V8 Engine Model Kit (B0DTY6W76M)

OWNONE 1 V8 Engine Model Kit Instruction Manual

Model: V8 Engine Model Kit (B0DTY6W76M)

Brand: OWNONE 1

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your OWNONE 1 V8 Engine Model Kit. This 8-cylinder visible engine building blocks set features a motor, LED lights, and app control, offering an engaging STEM project for enthusiasts aged 8 and up. Please read this manual thoroughly before beginning assembly or operation.

2. SAFETY INFORMATION

- **CHOKING HAZARD:** Small Parts. Not for children under 3 years.
- Keep all components away from small children to prevent accidental ingestion.
- Ensure all electrical connections are secure before operating the motor or LED lights.
- Do not attempt to modify the electrical components or wiring.
- Use only the provided or recommended power source for the motor and lights.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- 660 Building Blocks (various shapes and sizes)
- Lighting Kits (LED strips)
- Rechargeable Motor
- Instruction Manual (this document)

- 1 C battery (included)

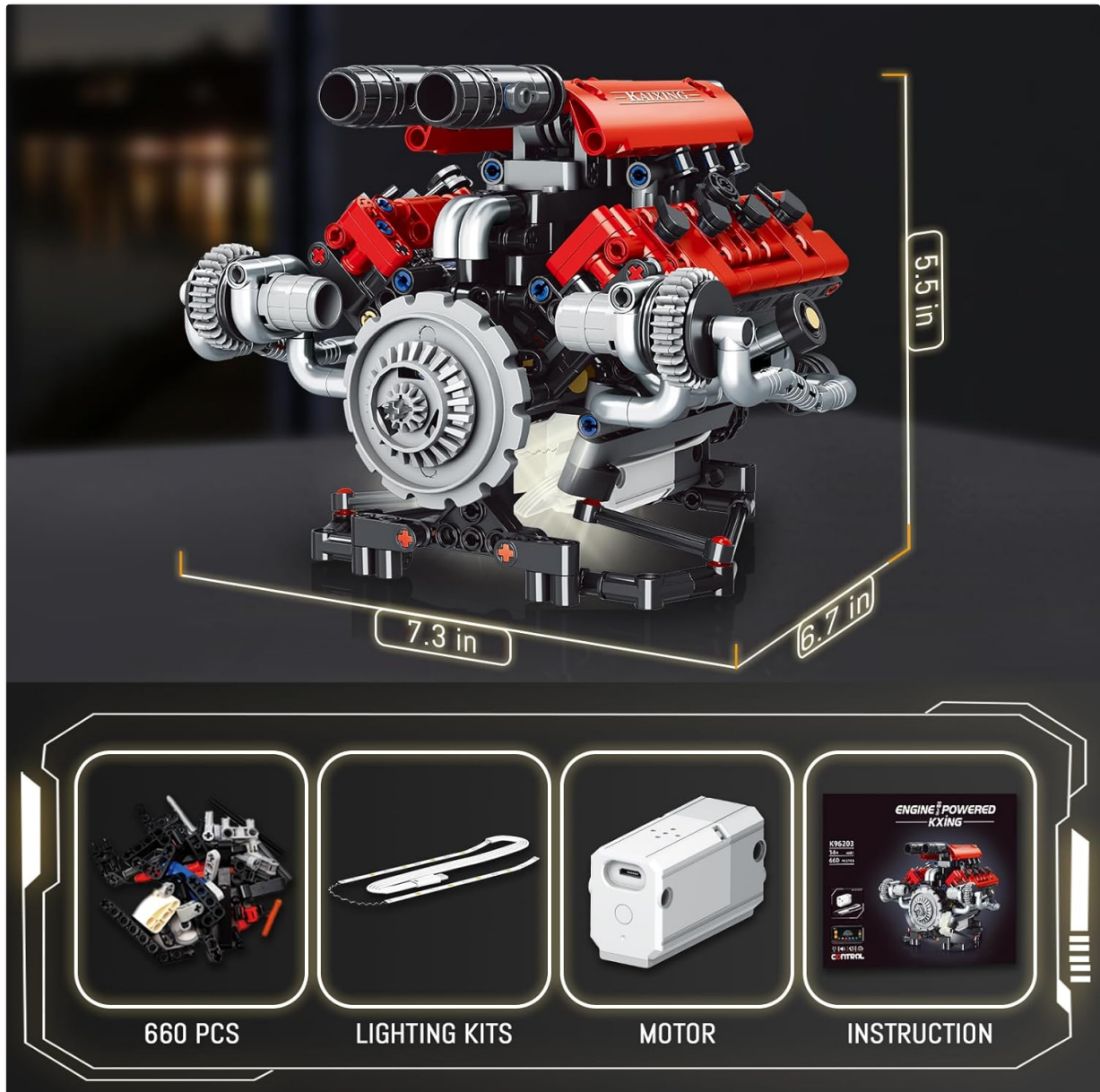


Figure 3.1: Package contents and model dimensions (7.3 x 6.7 x 5.5 inches).

4. ASSEMBLY INSTRUCTIONS

Follow the step-by-step instructions provided in the included manual to assemble your V8 Engine Model Kit. The blocks are packaged in a step-by-step manner to facilitate an easy and enjoyable building process.

4.1 Core Engine Block Assembly

Begin by constructing the central engine block, ensuring all connections are firm. The transparent cylinder head design allows for observation of internal mechanisms.



II

PRECISE PISTON MOTION

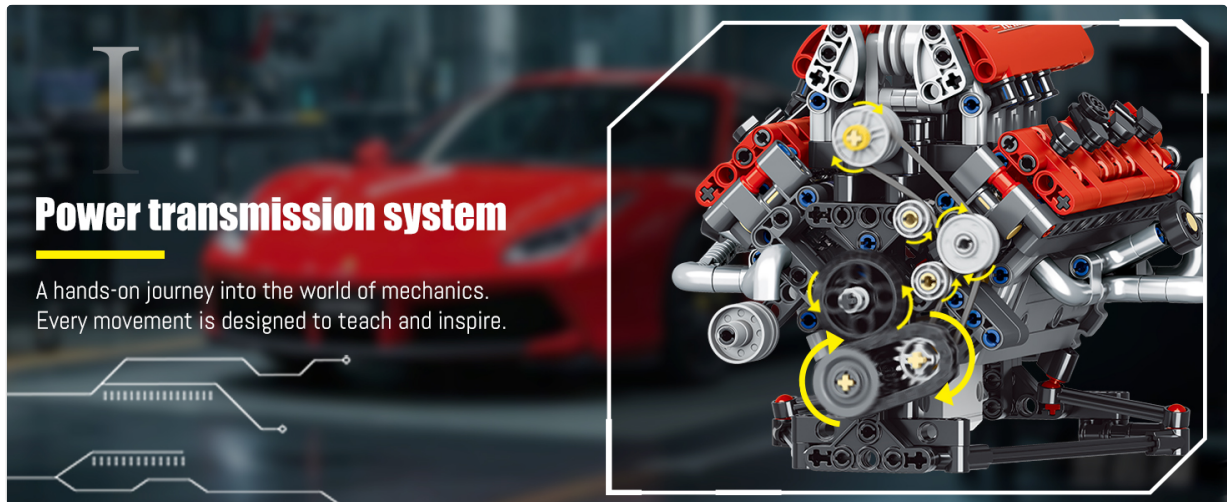
Witness the heartbeat of the engine with our meticulously designed Cylinder Piston.



Figure 4.1: Precise piston motion within the engine cylinders.

4.2 Power Transmission System

Assemble the power transmission system, including gears and belts, to enable the simulated movement of the engine components.



I

Power transmission system

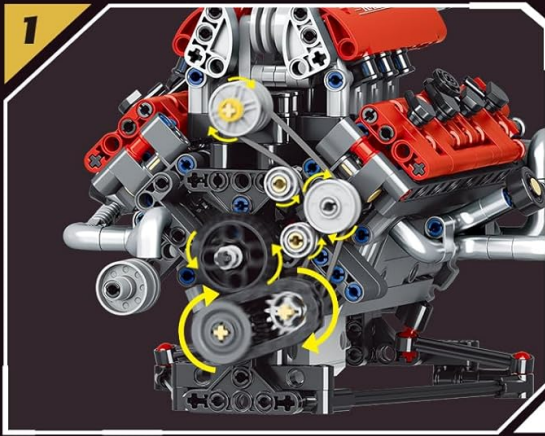
A hands-on journey into the world of mechanics. Every movement is designed to teach and inspire.



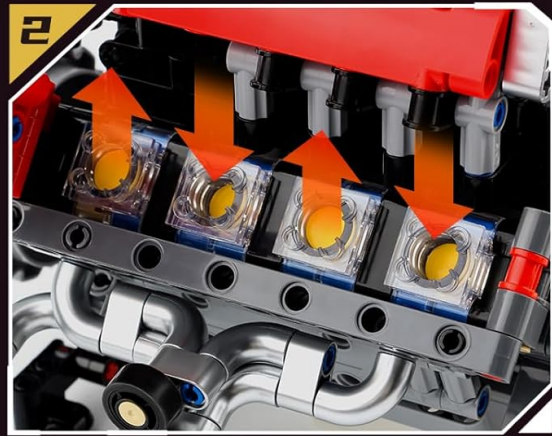
Figure 4.2: Detailed view of the simulated power transmission system.

4.3 Exhaust System and Flywheel

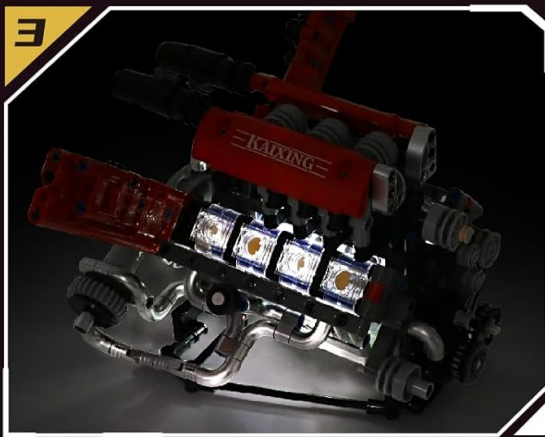
Attach the exhaust system and the flywheel. The flywheel is crucial for demonstrating the engine's rotational motion.



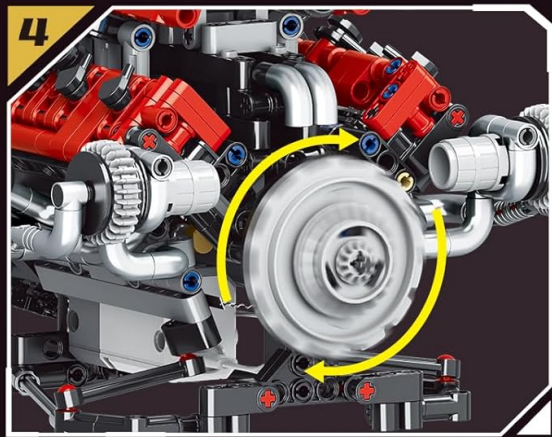
Simulated power transmission system



Precise piston motion



LED LIGHTS



FLYWHEEL

Figure 4.3: Key mechanical features including the flywheel and exhaust components.

4.4 Motor and LED Light Installation

Integrate the rechargeable motor and LED lighting kits into the model. Ensure proper connection to allow for interactive features.

RECHARGEABLE MOTOR No Battery Needed

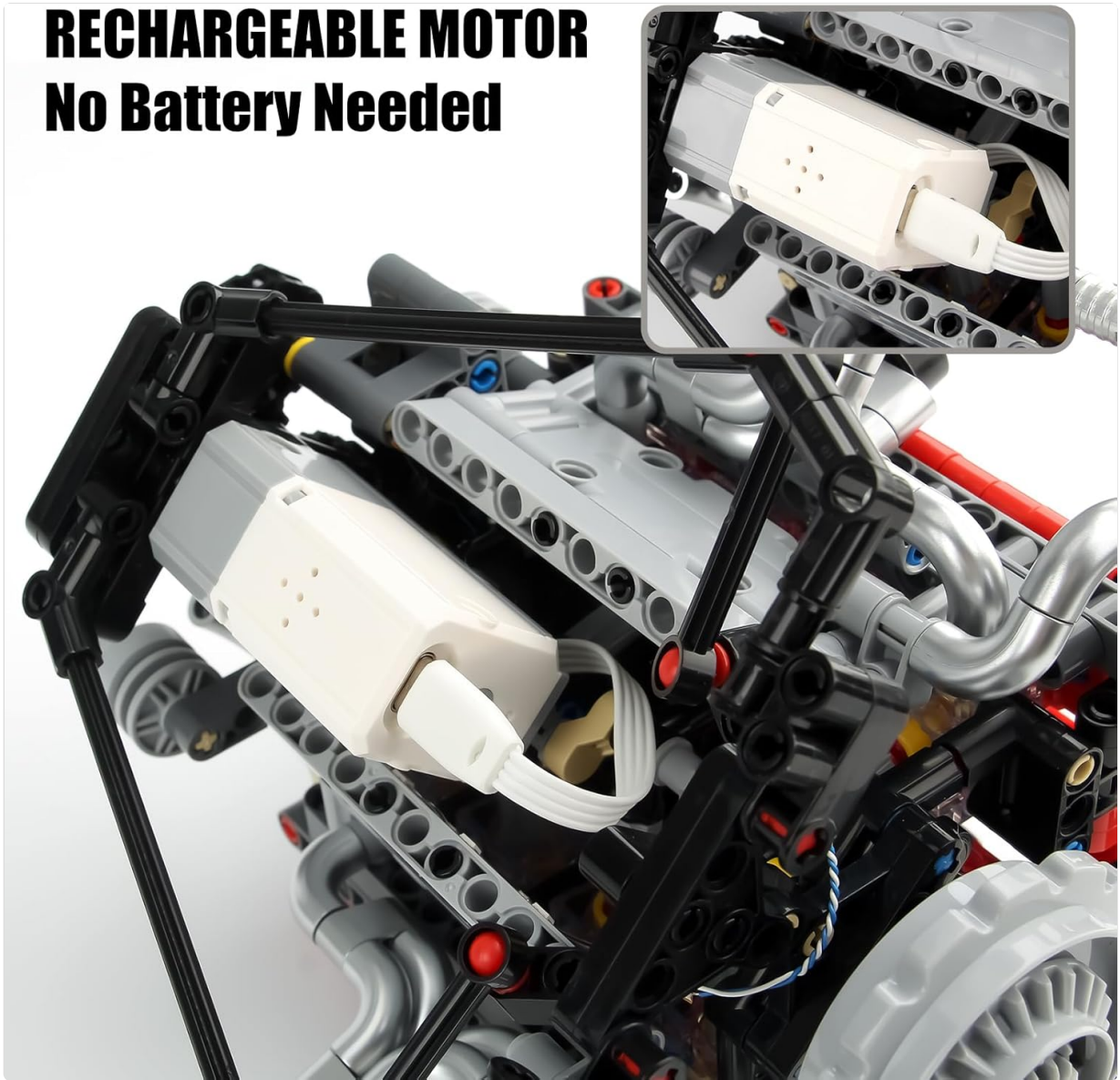


Figure 4.4: Installation of the rechargeable motor.

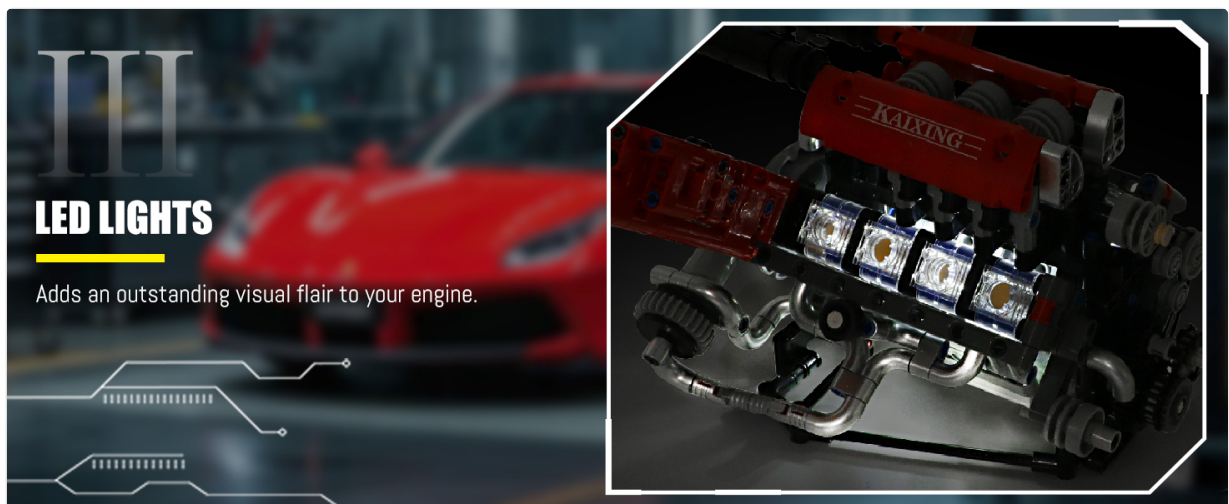


Figure 4.5: LED lights integrated into the engine model.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To power on the engine model, ensure the rechargeable motor is charged and connected. Activate the motor via the designated switch or app control.

5.2 App Control

The V8 Engine Model Kit supports app control for an interactive experience. Download the companion application to your smartphone or tablet. Connect via Bluetooth to control engine speed, simulate realistic engine sounds, and manage LED lighting.

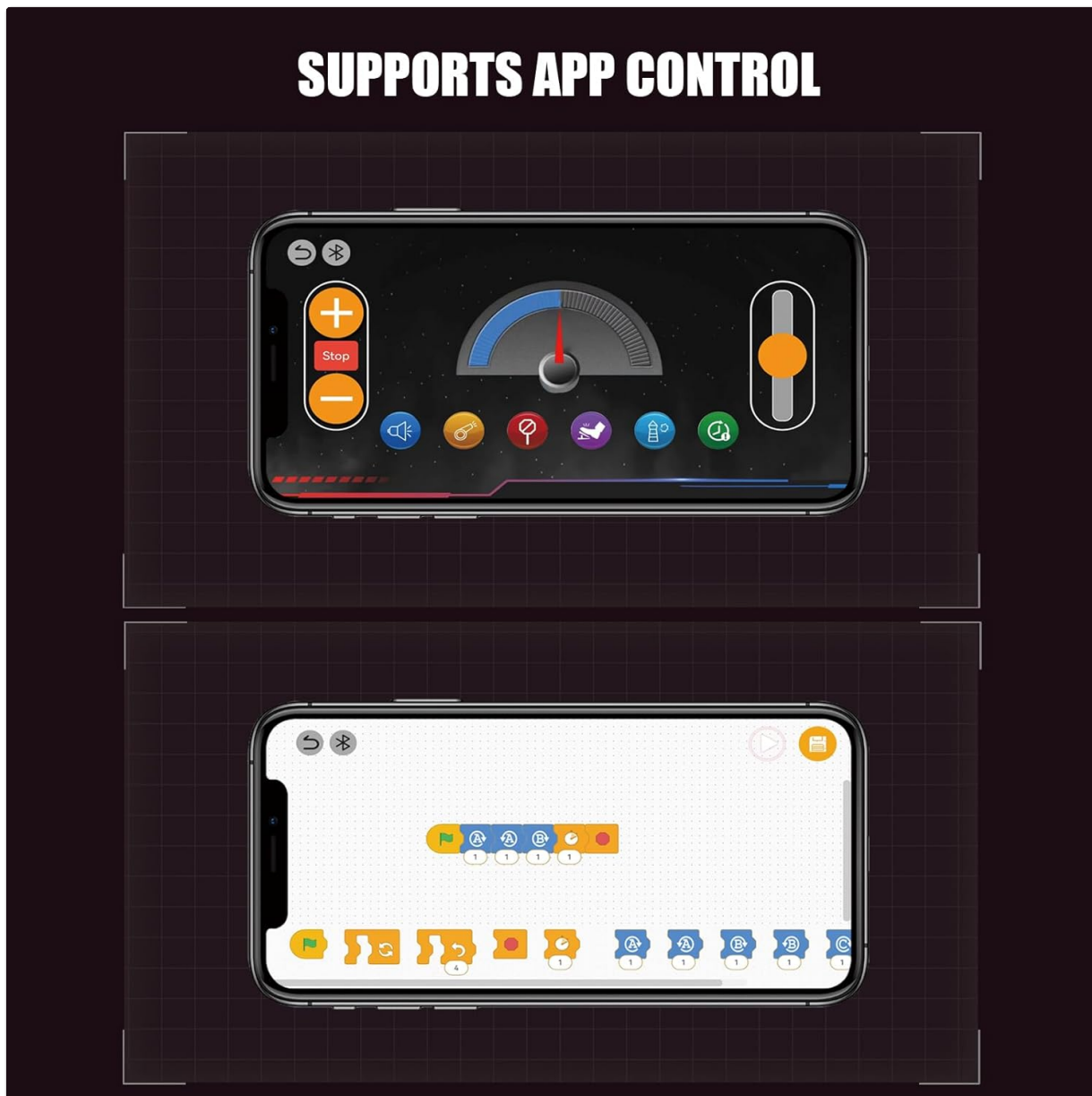


Figure 5.1: App control interface for the V8 engine model.

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Video 5.1: Official product video demonstrating the OWNONE 1 V8 Engine Model Kit in operation, including app control features.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to gently wipe the model. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to

prevent material degradation.

- **Battery Care:** Recharge the motor battery regularly, even if not in use, to maintain battery health. Do not overcharge.

7. TROUBLESHOOTING

- **Motor Not Running:** Ensure the motor is fully charged and properly connected. Check the app connection if using app control.
- **LED Lights Not Working:** Verify that the lighting kits are correctly installed and connected to the power source. Check app settings if applicable.
- **App Connectivity Issues:** Ensure Bluetooth is enabled on your device and the model. Restart both the app and the model if connection fails.
- **Missing Pieces:** If you encounter missing pieces during assembly, please contact customer support with your purchase details.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	7.3 x 6.7 x 5.1 inches
Item Weight	1.5 pounds
Recommended Age	8 years and up
Batteries	1 C battery required (included)
Number of Pieces	660 PCS

9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For detailed warranty information, product support, or to report any issues, please refer to the contact information provided on the product packaging or visit the official OWNONE 1 website. Please retain your proof of purchase for warranty claims.