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Mould King 12032

Mould King Shay-Type Steam Locomotive Model 12032 Instruction Manual

Model: 12032 | Brand: Mould King

INTRODUCTION

Thank you for choosing the Mould King Shay-Type Steam Locomotive Building Set. This detailed model (Model 12032) offers an engaging building experience for adult enthusiasts. It features LED lighting, remote control, and app control capabilities, bringing the classic Shay-type steam locomotive to life. Please read this manual carefully before assembly and operation to ensure proper use and enjoyment of your model.



Image: The Mould King Shay-Type Steam Locomotive model, highlighting its detailed design.

SAFETY INFORMATION

WARNING: Not suitable for children under 14 years due to small parts which may present a choking hazard. Adult supervision is recommended during assembly and operation.

- Keep all packaging materials away from children.
- Do not expose electronic components to water or excessive moisture.
- Ensure batteries are inserted with correct polarity.

- Do not mix old and new batteries, or different types of batteries.
- Dispose of batteries responsibly according to local regulations.

PACKAGE CONTENTS

Verify that all components are present before beginning assembly. The package should contain:

- Building blocks for the Shay-Type Steam Locomotive (880 PCS)
- Instruction Manual
- Bluetooth Lithium Battery Box (MK4 battery box *1)
- LED Lighting Group (x1)
- Train Motor (L Motor *1)
- Remote Control (x1)
- Track sections to form a circular layout

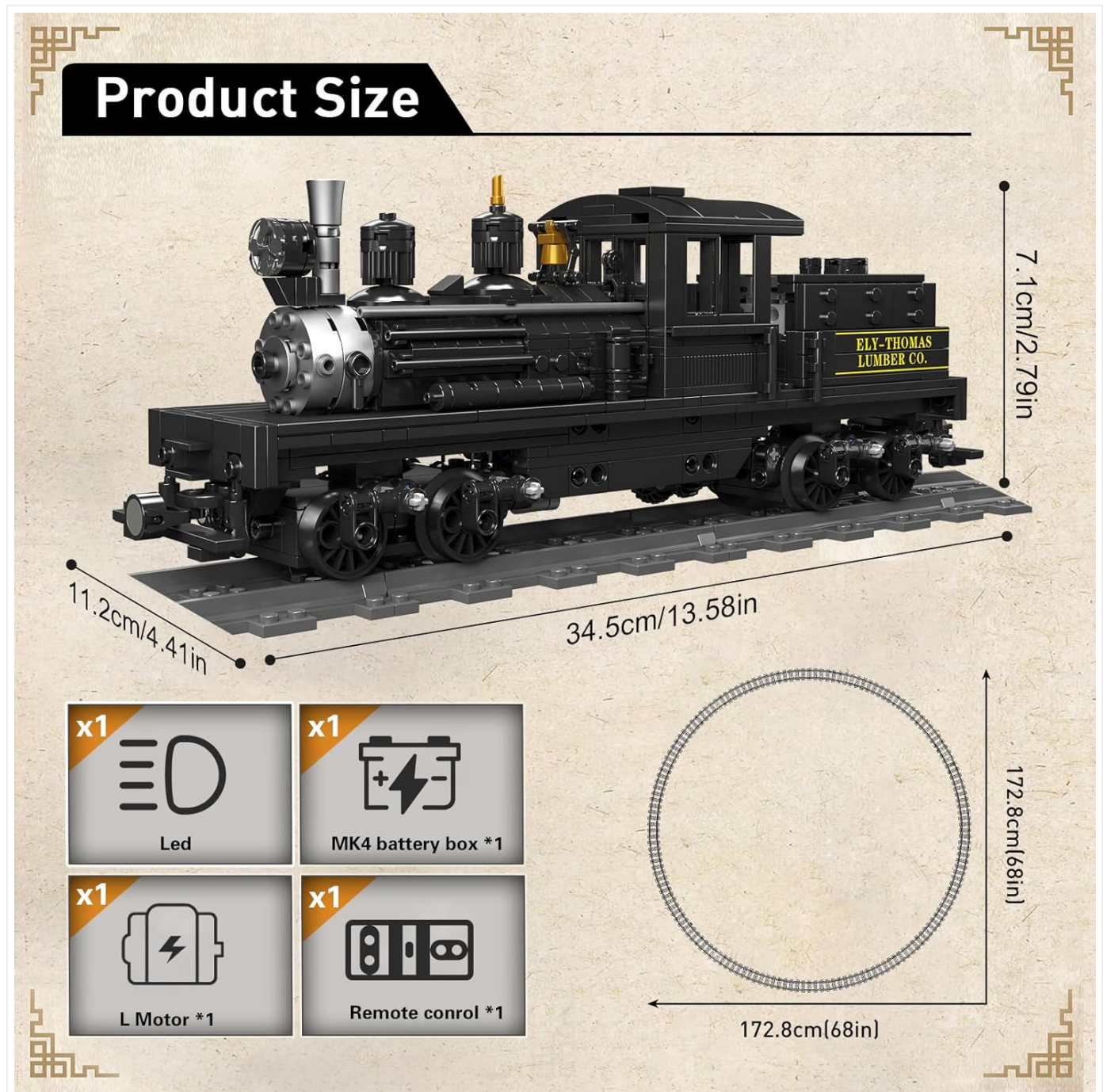


Image: Overview of the product dimensions and key electronic components included in the set.

ASSEMBLY INSTRUCTIONS

Follow the step-by-step instructions provided in the included printed manual. All building blocks are sorted and carefully packaged to prevent loss.

1. Unpack all components and verify against the package contents list.
2. Organize the building blocks by type or color as suggested in the manual to facilitate assembly.
3. Begin assembly following the numbered steps in the instruction manual. Pay close attention to diagrams and part placement.
4. Ensure all connections are firm to maintain the structural integrity of the model.
5. When installing electronic components (LEDs, motor, battery box), refer to the specific diagrams in the manual for correct placement and wire routing.



BUILD AND SHOW REAL DETAILS

Image: Detailed sections of the locomotive model, illustrating the complexity and precision of the build.

SETUP

Battery Installation

- Locate the battery compartment on the MK4 battery box.
- Insert the required Lithium Metal batteries, ensuring correct polarity (+/-).
- Close the battery compartment securely.

Track Assembly

- Connect the track sections to form a complete circular layout on a flat, stable surface.
- Ensure all track connections are secure to prevent derailment during operation.



Image: Hands connecting track pieces to form the railway circuit.

Remote Control / App Connection

- **Remote Control:** Ensure batteries are installed in the remote control. Turn on the locomotive's power. The remote should automatically pair.
- **App Control:** Download the official Mould King app to your mobile phone. Turn on the locomotive's power. Open the app and connect to the train building blocks via Bluetooth.



Image: Two control methods: a physical remote and a smartphone app interface.

OPERATING INSTRUCTIONS

Once assembled and connected, you can operate your Shay-Type Steam Locomotive using either the provided remote control or the dedicated mobile app.

- **Movement:** Use the directional controls on the remote or app to move the train forward or backward.
- **Speed Control:** The app offers variable speed control for a more realistic operation. The physical remote control may operate at a fixed speed.
- **LED Lighting:** Activate the front and rear LED lights using the designated button on the remote or within the app interface.

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Video: Demonstration of the Mould King Shay-Type Steam Locomotive in operation, showcasing its movement and LED lights.



Image: The locomotive operating on tracks, controlled via the mobile application.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to gently wipe down the model and tracks. 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:** Remove batteries from the battery box and remote control if the model will not be used for an extended period.
- **Component Check:** Periodically inspect all connections and moving parts to ensure they are secure and functioning correctly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Train does not move.	<ul style="list-style-type: none">◦ Batteries are low or incorrectly installed.◦ Remote/App not connected.◦ Motor connection loose.	<ul style="list-style-type: none">◦ Check and replace batteries; ensure correct polarity.◦ Verify Bluetooth connection for app or remote pairing.◦ Inspect motor wiring and connections.
LED lights do not illuminate.	<ul style="list-style-type: none">◦ LED wires are loose or incorrectly routed.◦ LEDs are damaged.	<ul style="list-style-type: none">◦ Re-check LED wire connections and routing as per manual.◦ Contact support if LEDs are confirmed damaged.
Train derails or struggles on tracks.	<ul style="list-style-type: none">◦ Track sections are not securely connected.◦ Model fragility or design limitations on tight curves.	<ul style="list-style-type: none">◦ Ensure all track pieces are firmly joined.◦ Operate on flat surfaces. Be aware that the model's design may limit performance on very tight curves.
Model feels fragile or parts detach easily.	<ul style="list-style-type: none">◦ Loose block connections during assembly.◦ Inherent design characteristic.	<ul style="list-style-type: none">◦ Re-examine and secure all block connections.◦ Handle the model with care, especially during movement or repositioning.

SPECIFICATIONS

Feature	Detail
Product Dimensions	13.78 x 2.76 x 4.33 inches

Feature	Detail
Item Weight	3.08 pounds
Model Number	12032
Recommended Age	14 years and up
Batteries Required	1 Lithium Metal battery (included)
Control Method	Remote Control / Mobile App (Bluetooth)
Special Features	LED Lighting, Train Motor, Tracks included

WARRANTY AND SUPPORT

For any questions, missing parts, or technical support, please contact Mould King customer service. Refer to the product packaging or the official Mould King website for contact information.

Mould King products are designed for quality and durability. Please retain your proof of purchase for any warranty claims.

