

ROKR MR03S

ROKR MR03S Hip-Hop Street Marble Run 3D Puzzle

Instruction Manual

1. INTRODUCTION

The ROKR MR03S Hip-Hop Street Marble Run is a miniature mechanical 3D puzzle model kit designed for assembly. This model features a cyberpunk-style street scene with an integrated marble run track approximately 223cm in length. Once assembled, marbles are automatically lifted and traverse the track. The unit is powered via a USB-C interface, which activates both the lighting effects and the automatic marble lift mechanism. A touch switch allows users to select between two operational modes: continuous marble running with synchronized lights or a static lighting display. The design is intended to be both interactive and decorative, resembling a computer case when placed on a desk.

2. SAFETY INFORMATION

WARNING: CHOKING HAZARD - Small Parts. Not suitable for children under 3 years due to small components and marbles.

Adult supervision is recommended during assembly, especially when handling small screws and electrical connections.

3. PACKAGE CONTENTS

Please verify that all components are present before beginning assembly. The kit typically includes:

- 1 x Hip-Hop Street City Module
- 1 x Marble Lift Module
- Marbles (small metal balls)
- Pre-cut plastic model boards and loose plastic pieces
- Electronic components and wiring
- Assembly tools, including a clipper

- Detailed instruction manual
- USB-C power cable (power source not included)

The kit contains approximately 134 pieces.

4. SETUP AND ASSEMBLY

Assembly of the ROKR MR03S requires careful attention to detail. Follow the provided instruction manual step-by-step. The estimated assembly time is 1.5 hours, but this may vary based on individual experience.

4.1 Preparation

- Clear a well-lit workspace.
- Organize the parts. Components are typically found on plastic model boards and in various bags.
- Utilize the included clipper for clean cuts when detaching pieces from the sprues.
- Have tweezers ready for handling very small screws and components.

4.2 Assembly Steps

1. **Follow the Instruction Manual:** Adhere strictly to the detailed, illustrated instructions provided in the physical manual.
2. **Component Connection:** Modules are designed to connect using socket-type boards. Ensure all connections are secure.
3. **Wiring:** The wiring process is straightforward. Follow the diagram in the instructions carefully to connect all electronic components.
4. **Small Parts:** Exercise patience when dealing with small screws and tight spaces. Tweezers can be helpful.
5. **Dust-Proof Design:** The model incorporates a dust-proof design. Ensure all panels and covers are correctly installed to maintain this feature.
6. **Module Expansion:** The design allows for horizontal, vertical, and all-direction extensions with additional compatible modules (sold separately). Refer to the specific instructions for multi-unit builds if expanding.

ASSEMBLE IT YOURSELF



Image: A person's hands are shown carefully clipping a component from a plastic sprue, with the partially assembled ROKR MR03S model and instruction manual visible in the background. This illustrates the initial assembly process.



Image: An overhead view of the ROKR MR03S components, including plastic sheets with parts, circuit boards, and the main module, spread across a table with an instruction manual. This image highlights the initial setup for assembly.

MODULES ARE CONNECTED BY THE SOCKET-TYPE BOARDS



Image: A detailed view showing how different modules of the ROKR MR03S connect using socket-type boards, emphasizing the modular and dust-proof design of the puzzle.

5. OPERATING INSTRUCTIONS

The ROKR MR03S features two primary operating modes controlled by a touch switch.

5.1 Power Connection

Connect the unit to a USB-C power source (not included) using the provided USB-C cable.

5.2 Mode Selection

Use the integrated touch switch to cycle between the following modes:

- **Marble Rolling Mode:**

- Touch the switch once to activate.
- The marble lift will begin operating, and marbles will cycle continuously through the track.
- Lights will flash in synchronization with the marble movement.
- The unit will automatically power off after approximately 10 minutes of continuous operation in this mode.

- **Lighting Display Mode:**

- Touch the switch a second time to activate.
- The marble lift and motors will stop.
- The lights will display regular flashing patterns.
- The model features infrared sensing to trigger over 10 global light effects and a 3D mirror time tunnel with circular lights.
- Dynamic light sensing interaction includes 6 light boxes, nearly 100 effects, and sound-activated dynamic lighting.

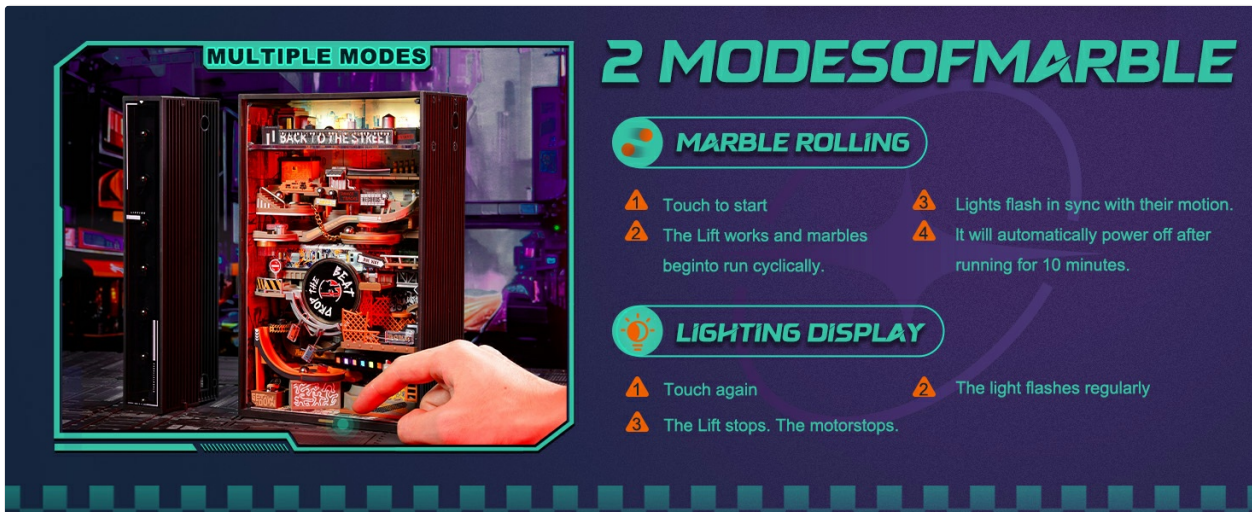


Image: A visual guide detailing the two operational modes of the ROKR MR03S: 'Marble Rolling' which involves continuous marble movement and synchronized lights, and 'Lighting Display' which features static lights with the marble lift stopped.

Instructions for activating each mode via the touch switch are included.

DYNAMIC LIGHT SENSING INTERACTION

6 Light Boxes, Nearly 100 Effects | Sound-Activated Dynamic Lighting



Image: The fully assembled ROKR MR03S model displayed on a desk next to a computer, illustrating its dynamic lighting features and sound-activated ambient lighting, creating an interactive visual experience.

6. MAINTENANCE

To ensure the longevity and optimal performance of your ROKR MR03S model, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe down the exterior surfaces. Avoid using abrasive cleaners or solvents, as these can damage the plastic and printed elements.
- **Dust Removal:** Periodically use a soft brush or compressed air to remove dust from intricate areas and the marble tracks to prevent obstructions.

- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.
- **Handling:** Handle the model with care, especially when moving it, to avoid dislodging small parts or damaging the internal mechanisms.

7. TROUBLESHOOTING

If you encounter any issues with your ROKR MR03S, refer to the following troubleshooting tips:

7.1 Marble Lift Not Operating

- **Power Connection:** Ensure the USB-C cable is securely connected to both the model and a functional power source.
- **Mode Selection:** Verify that the touch switch is set to the 'Marble Rolling' mode.
- **Obstructions:** Check for any small debris or misaligned parts within the lift mechanism that might be preventing movement. Gently adjust any visible obstructions.
- **Wiring:** Re-check all electrical connections according to the instruction manual to ensure they are firm and correctly placed.

7.2 Marbles Not Running Smoothly

- **Track Alignment:** Inspect all track segments for proper alignment and secure connections. Even slight misalignments can impede marble flow.
- **Obstructions:** Look for any foreign objects, dust, or loose components on the track that might be blocking the marbles.
- **Moving Parts Friction:** If a specific moving piece (e.g., a wheel or lever) appears to have too much friction, ensure it was assembled correctly and is not overtightened. Avoid applying lubricants unless specifically instructed, as some plastics can react negatively.
- **Marble Condition:** Ensure the marbles are clean and free of any residue.

7.3 Lights Not Functioning

- **Power Connection:** Confirm the unit is receiving power via USB-C.
- **Wiring:** Check all LED and sensor wiring connections for proper installation as per the manual.
- **Mode Selection:** Ensure the unit is in either 'Marble Rolling' or 'Lighting Display' mode.

8. SPECIFICATIONS

Feature	Detail
Brand	ROKR
Model Number	MR03S
Assembled Dimensions (Approx.)	7.1 inches (Width) x 3 inches (Depth) x 9 inches (Height)
Item Weight	3.41 pounds
Number of Pieces	134
Recommended Age	14 years and up

Track Length	Approximately 223 cm
Power Source	USB-C (5V, power adapter not included)
Operating Modes	Marble Rolling (with lights), Lighting Display (static lights)
Automatic Shut-off	10 minutes in Marble Rolling mode



Image: The ROKR MR03S model with overlaid text indicating its dimensions (9in height, 3in depth, 7.1in width), recommended age (14+), number of pieces (134), and estimated assembly time (1.5 hours).

9. WARRANTY AND SUPPORT

ROKR is committed to providing solutions and guidance for any assembly questions or replacement part needs during the building process.

For assistance, please contact ROKR customer support through their official channels or the retailer from whom the product was purchased. Keep your purchase receipt and model number (MR03S) handy when contacting support.