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› Discovery Marble Run Race Track (Model 1017875) Instruction Manual

Discovery 1017875

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INTRODUCTION

This manual provides instructions for the assembly, operation, and maintenance of the Discovery Marble Run Race Track, Model 1017875. This 92-piece construction set is designed to allow users to build various marble tracks, incorporating light-up features for enhanced play. It encourages exploration of physics and engineering principles through hands-on activity.

SAFETY INFORMATION

WARNING: CHOKING HAZARD - Small parts. Not for children under 3 years.

- Always supervise children during play.
- Ensure all small components, especially marbles, are kept away from young children to prevent choking.
- Inspect all pieces regularly for damage. Discontinue use if any part is broken.

PACKAGE CONTENTS

Verify that all the following components are included in your package:

- 82 Building Components (various track pieces, connectors, bases)
- 2 LED Spotlights
- 2 LED Tiles
- 4 Standard Marbles
- 2 Light-Up Marbles

Total: 92 pieces.

SETUP AND ASSEMBLY

The Discovery Marble Run features an innovative snap-together build system for easy assembly. Follow these general steps to construct your marble run:

1. **Unpack Components:** Carefully remove all pieces from the packaging.
2. **Connect Base Tiles:** Begin by interlocking the clear base tiles to form a stable foundation for your structure.
3. **Build Vertical Supports:** Attach vertical support pieces to the base tiles.
4. **Add Track Pieces:** Connect various track pieces (ramps, tunnels, curves, drops) between the vertical supports. Ensure connections are secure.
5. **Integrate Special Features:** Place LED spotlights and LED tiles into designated slots on the track or supports. Insert batteries into LED components if required (batteries not included, refer to individual component instructions for battery type).
6. **Test Stability:** Before introducing marbles, gently test the stability of your assembled structure.

Refer to the included visual guide for specific track designs and assembly patterns. Experiment with different configurations to create unique marble runs.



Image: Two children are shown actively assembling the marble run, connecting various clear and colored track pieces. This demonstrates the snap-together building process.



Image: A complete marble run structure is displayed, showcasing the variety of track pieces and the overall design possibilities.

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Video: This video provides an overview of the Discovery Marble Run, demonstrating its components and potential for construction. It highlights the light-up features and assembly process.

OPERATING INSTRUCTIONS

Once your marble run is assembled, you can begin playing:

1. **Place Marbles:** Position standard or light-up marbles at the starting point of your track.
2. **Release Marbles:** Release the marbles and observe their path through the various ramps, tunnels, and drops.
3. **Activate Lights:** Ensure LED spotlights and tiles are switched on (if applicable) to experience the glow-in-the-dark effect, especially in low-light conditions.
4. **Experiment:** Adjust track pieces, add new sections, or reconfigure the layout to change the marble's speed, direction, and overall path.

5. **Race:** If multiple marbles are used, observe how different track designs affect their race to the finish.



Image: The marble run is shown in a darkened environment, highlighting the illuminated track pieces and glowing marbles as they descend the structure.

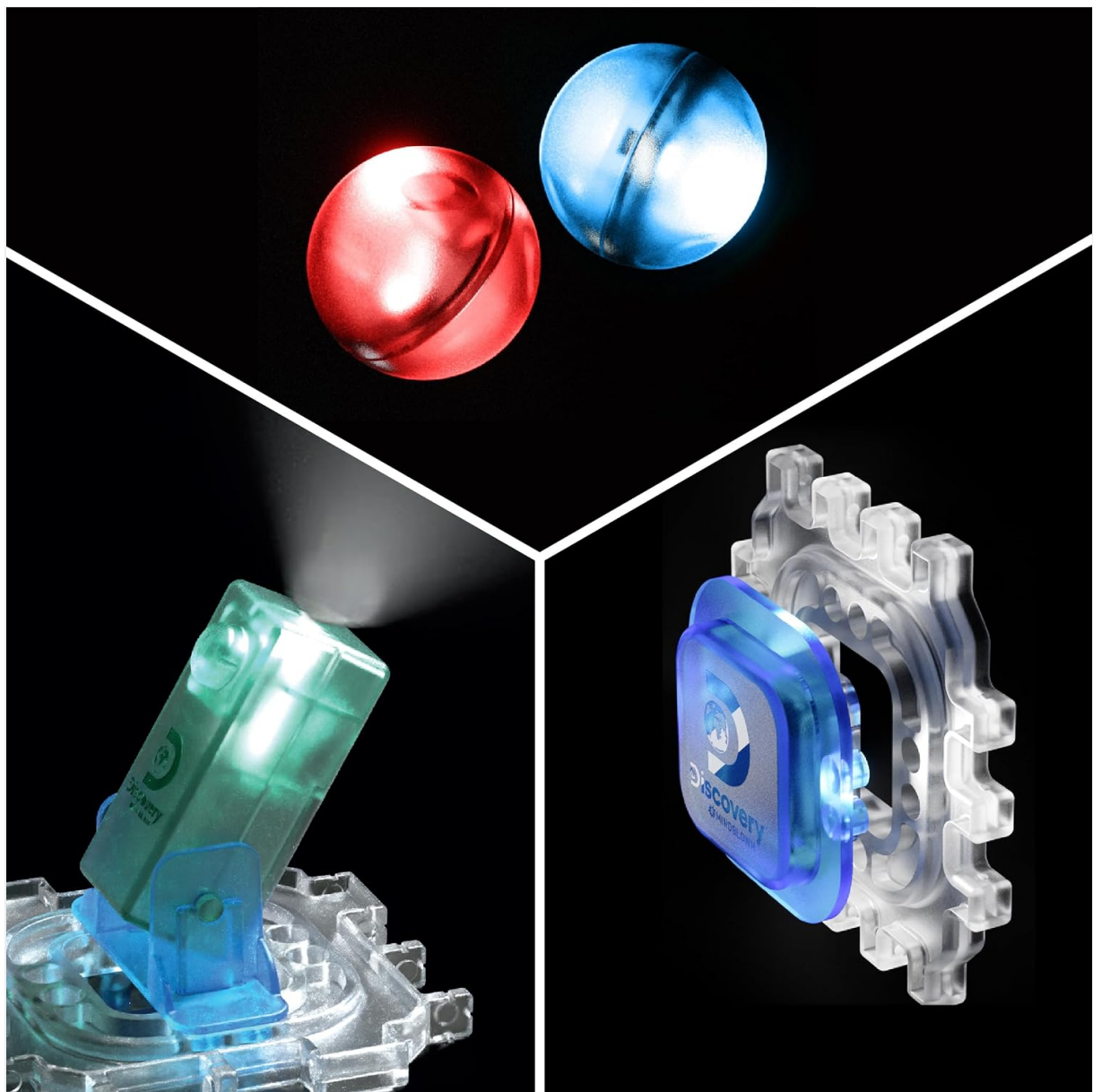


Image: A detailed view of the light-up components, including red and blue LED marbles, a green LED spotlight, and a blue LED tile, demonstrating their glow.

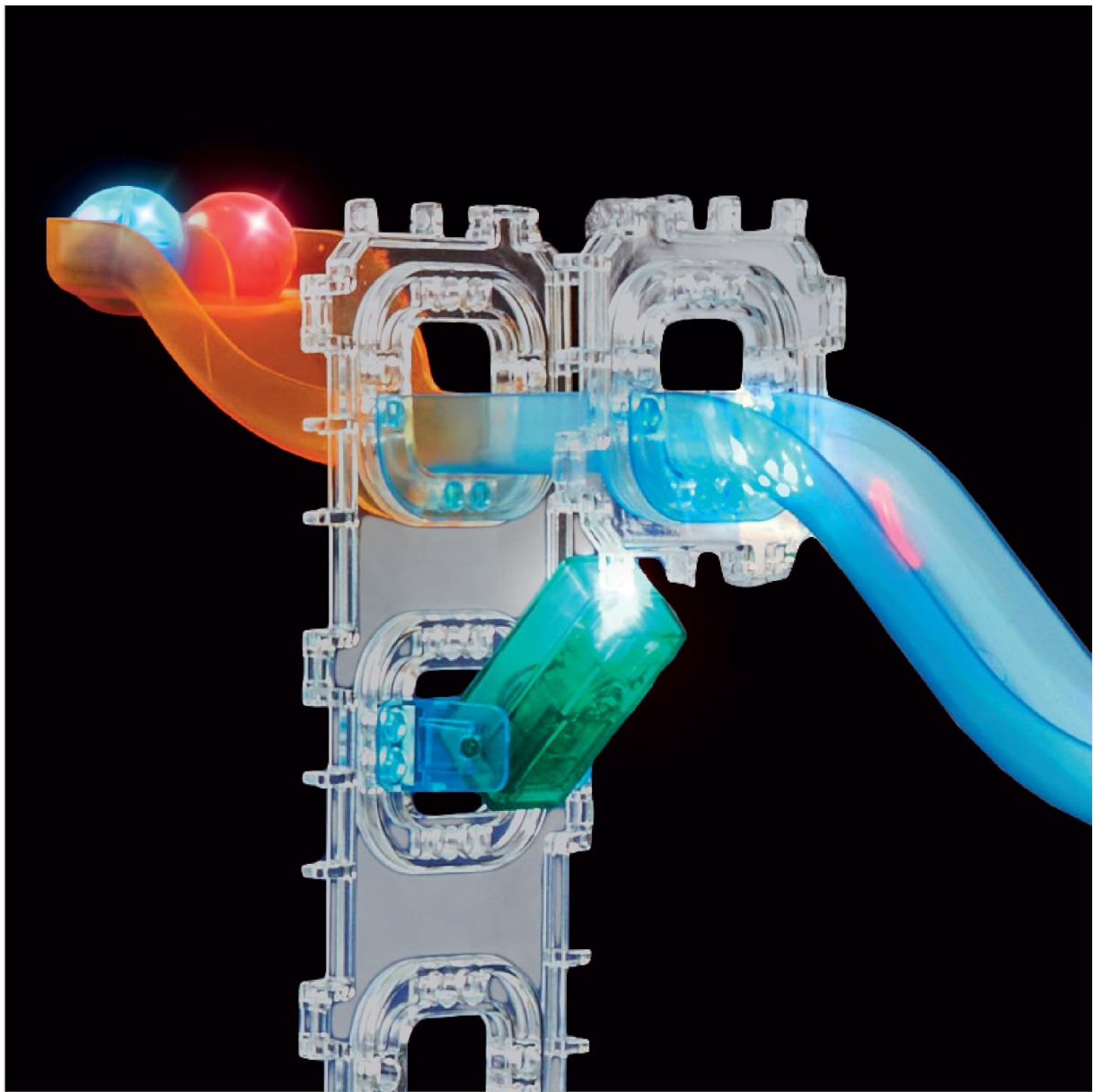


Image: Marbles are captured in motion as they navigate a section of the track, showcasing the dynamic play and interaction with the light-up features.

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Video: This video reviews the Glow Marble Run, showing various track configurations and the marbles in action, emphasizing the glowing elements.

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Video: This video demonstrates an exciting marble run setup, highlighting its educational value and engaging play for learning.

MAINTENANCE

- **Cleaning:** Wipe all plastic components with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the marble run components in a dry, cool place away from direct sunlight when not in use. Keep all small parts, especially marbles, in a designated container to prevent loss.
- **Battery Replacement:** For LED components, replace batteries as needed. Refer to the specific LED component for battery type and replacement instructions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Marbles get stuck or fall off the track.	Improperly connected track pieces. Insufficient slope or incorrect angle. Obstruction on the track.	Ensure all track pieces are securely snapped together. Adjust the height and angle of ramps and supports to create a smoother flow. Check for any debris or misaligned pieces blocking the marble's path.
LED components do not light up.	Batteries are dead or incorrectly inserted. LED component is switched off.	Replace batteries with new ones, ensuring correct polarity. Verify that the power switch on the LED component is in the "ON" position.
Track structure is unstable.	Base tiles not securely connected. Vertical supports are not properly aligned or connected.	Ensure all base tiles are firmly interlocked. Re-check connections of vertical supports to bases and other track pieces for stability.

SPECIFICATIONS

- **Model Number:** 1017875
- **Brand:** Discovery
- **Material:** Plastic
- **Total Pieces:** 92 (82 building components, 2 LED spotlights, 2 LED tiles, 4 standard marbles, 2 light-up marbles)
- **Recommended Age:** 6 years and up (72 months minimum)
- **Educational Objective:** Creative Skill, Problem Solving
- **Item Weight:** Approximately 16 ounces
- **Item Dimensions (assembled):** Approximately 17 x 2.5 x 13 inches (43.18 cm x 6.35 cm x 33.03 cm)
- **Theme:** Glow-in-the-Dark

WARRANTY AND SUPPORT

This product is manufactured by Merchsource. For any questions regarding product operation, missing parts, or technical support, please contact the manufacturer directly. Please retain your proof of purchase for any warranty claims.

Contact information for Merchsource can typically be found on the product packaging or their official website.