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Quercetti 6600

Quercetti Skyrail Evolution Marble Run Instruction Manual

Model: 6600

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Quercetti Skyrail Evolution Marble Run. This 174-piece building set allows for the creation of a dynamic marble roller coaster with over 19 feet (6 meters) of track.

Important Safety Information

WARNING: CHOKING HAZARD - Small Parts. Not suitable for children under 3 years. Recommended for ages 6 years and up.

2. PACKAGE CONTENTS

Please verify that all components listed below are present in your package before beginning assembly. If any parts are missing or damaged, please contact customer support.

- 10 x Marbles (in 5 assorted colors)
- 1 x Marble Launch Rocket
- 1 x Rotating Atomic Hammer
- 161 x Track Pieces and Connectors



Figure 2.1: Product packaging displaying the included components and features.

3. ASSEMBLY INSTRUCTIONS

The Skyrail Evolution set offers various assembly configurations. You can follow the detailed diagrams provided in the included instruction booklet or design your own unique marble run. Patience is key during assembly, as some connections may require careful alignment.

3.1. General Assembly Tips

- **Review the Manual:** Before starting, thoroughly review the entire instruction booklet provided in the box. Pay close attention to diagrams and part identification.
- **Organize Parts:** Sort the 161 track pieces and connectors by type and color to simplify the assembly process.
- **Secure Connections:** Ensure all connectors are firmly attached to the track pieces and support structures. Loose connections can lead to instability and track collapse.

- **Use Black Connectors:** Note that black connectors are often essential for securing certain parts, even if not explicitly highlighted in every diagram.
- **Avoid Forcing:** Do not force pieces together. If a connection feels too tight, re-check the orientation and ensure you are using the correct parts. Forcing can cause plastic clips to break.

3.2. Building the Track Structure

1. Begin by assembling the base supports and vertical pillars according to your chosen design or the instruction booklet. These form the foundation of your marble run.
2. Attach the various track segments to the pillars using the provided connectors. Ensure that the track is level and securely fastened to allow for smooth marble movement.
3. Integrate special features such as the loop-the-loop and any curved or sloped sections as indicated in your design.

3.3. Integrating Special Features

- **Marble Launch Rocket:** Position the marble launch rocket at the starting point of your track. Ensure it is securely mounted and aligned to propel marbles onto the track effectively.
- **Rotating Atomic Hammer:** Install the rotating atomic hammer in a section where marbles require an additional boost of power, typically before or after a challenging track element like a loop.



Figure 3.1: An example of a fully assembled Skyrail Evolution marble run.

4. OPERATION

Once assembled, your Skyrail Evolution marble run is ready for action. The design encourages exploration of physics principles through hands-on play.

4.1. Launching Marbles

- Place a marble into the Marble Launch Rocket.
- Activate the launch mechanism to propel the marble onto the track. The rocket is designed to provide sufficient initial speed for the marble to navigate the course.

4.2. Utilizing the Rotating Atomic Hammer

- As marbles approach the Rotating Atomic Hammer, they may require a manual push or intervention to receive an additional boost. This feature is intended to add dynamic interaction to the marble run, especially for sections requiring extra momentum.

4.3. Experimentation and Design

The modular nature of the Skyrail Evolution allows for endless design possibilities. Experiment with different track layouts, heights, and feature placements to observe how changes affect marble speed and trajectory. This encourages creative problem-solving and an understanding of basic physics concepts.

5. CARE AND MAINTENANCE

Proper care will ensure the longevity of your Quercetti Skyrail Evolution Marble Run.

- **Cleaning:** Wipe down plastic components with a soft, damp cloth. Avoid abrasive cleaners or harsh chemicals, as these can damage the plastic.
- **Storage:** When not in use, disassemble the marble run and store all components in the original box or a suitable container to prevent loss or damage. Store in a cool, dry place away from direct sunlight.
- **Inspection:** Periodically inspect all track pieces and connectors for any signs of wear or damage. Replace broken parts if necessary to maintain structural integrity and safe operation.

6. TROUBLESHOOTING

If you encounter issues with your Skyrail Evolution, refer to the common problems and solutions below.

Problem	Possible Cause	Solution
Track sections or supports do not stay connected.	Loose connections; incorrect part orientation; worn or broken plastic clips.	Ensure all connectors are fully inserted and aligned. Refer to the instruction booklet for correct assembly. If clips are broken, contact customer support for replacement parts.
Marble Launch Rocket does not consistently propel marbles.	Mechanism wear; improper marble placement.	Ensure the marble is correctly seated in the launcher. If the mechanism feels loose or does not hold its position, the internal plastic components may be worn. This can limit its effectiveness over time.

Problem	Possible Cause	Solution
Marbles get stuck or slow down on the track.	Insufficient slope; misaligned track sections; friction from dirt.	Adjust the height of support pillars to increase the track's slope. Re-check track alignment to ensure smooth transitions. Clean track surfaces to reduce friction.
Rotating Atomic Hammer does not provide sufficient boost.	Requires manual intervention; improper timing.	The Atomic Hammer is designed to be manually operated to give marbles an extra push. Ensure you are timing your intervention as the marble approaches.

7. SPECIFICATIONS

Product Name	Quercetti Skyrail Evolution Marble Run
Model Number	6600
Brand	Quercetti
Product Dimensions	20.5 x 4.3 x 16.14 inches (52.07 x 10.92 x 41 cm)
Item Weight	14.1 ounces (400 grams)
Track Length	Approximately 19 feet (6 meters)
Recommended Age	6 years and up
Number of Pieces	174 (including marbles)
Manufacturer	Quercetti
Country of Origin	Italy

8. CUSTOMER SUPPORT

For further assistance, missing parts, or inquiries regarding your Quercetti Skyrail Evolution Marble Run, please contact Quercetti customer support.

- **Manufacturer:** Quercetti
- **Online Resources:** Visit the official [Quercetti Store on Amazon](#) for product information and updates.
- **General Inquiries:** Refer to the contact information provided in the original product packaging or on the official Quercetti website.

