

## The Learning Journey 151136

# The Learning Journey Techno Gears Marble Mania TwinTwister Max Instruction Manual

Model: 151136

## 1. PRODUCT OVERVIEW

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The Techno Gears Marble Mania TwinTwister Max is a 3-in-1 construction set designed for building an immersive, action-packed marble maze. This set includes over 200 pieces, offering multiple building options with colorful twists, turns, and tracks. It features both a hand crank and a motorized gear lifter to transport marbles through the dual spiraling tracks.

### Key Features:

- Over 200 construction pieces for versatile building.
- Includes a hand crank and a motorized gear lifter.
- Dual spiraling tracks for continuous marble action.
- Supports STEM education by cultivating creativity and understanding of physics and mechanics.
- Enhances cognitive development, problem-solving, and engineering skills.

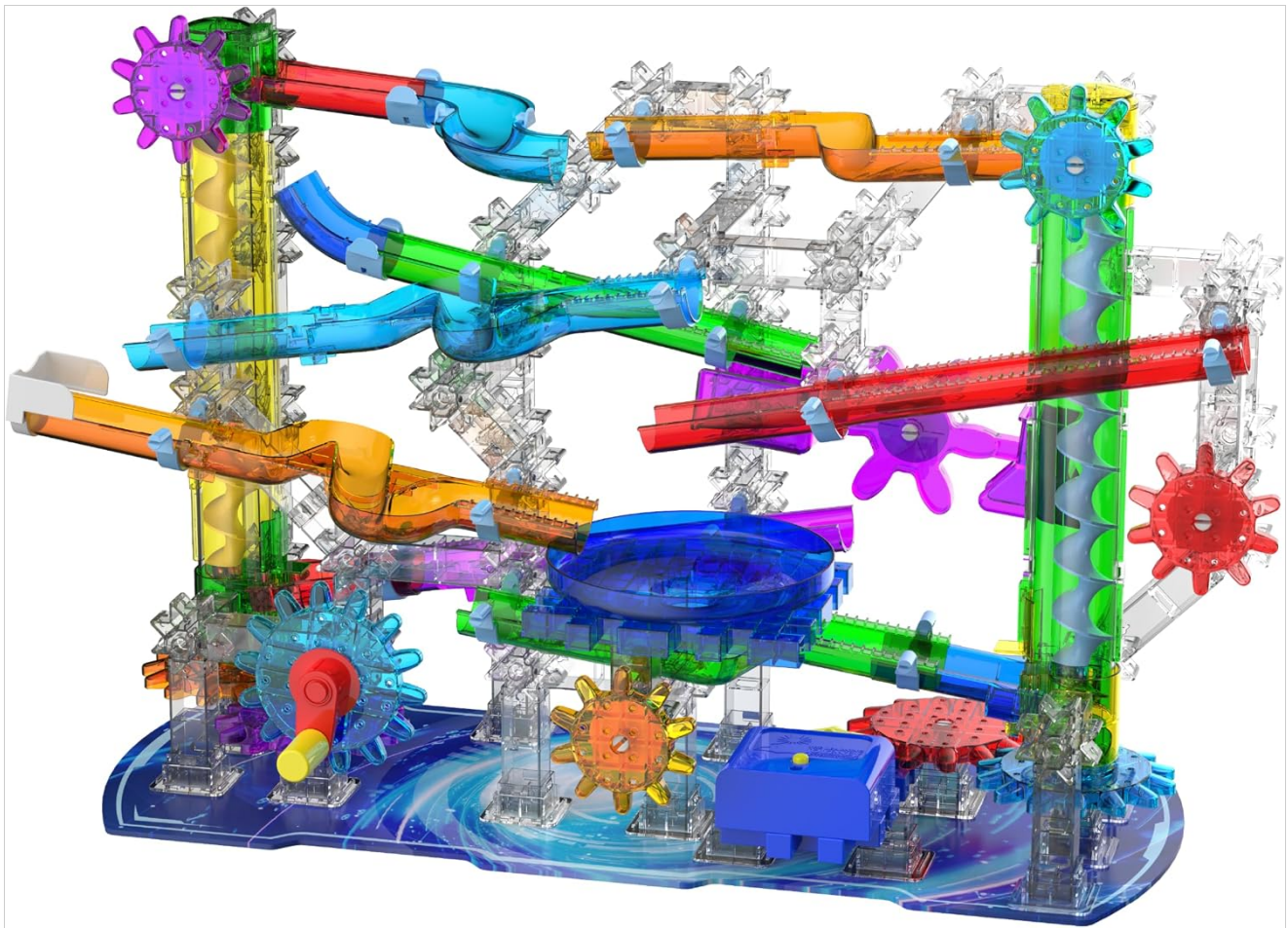


Image 1.1: Fully assembled Techno Gears Marble Mania TwinTwister Max set, showcasing its colorful tracks and gears.

## 2. SAFETY INFORMATION

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**WARNING: CHOKING HAZARD - Toy contains small parts. Not for children under 3 years.**

- Ensure all small parts are kept away from young children to prevent choking.
- Adult supervision is recommended during assembly and play, especially for younger users.
- Do not modify the product in any way not specified in these instructions.

## 3. SETUP AND ASSEMBLY

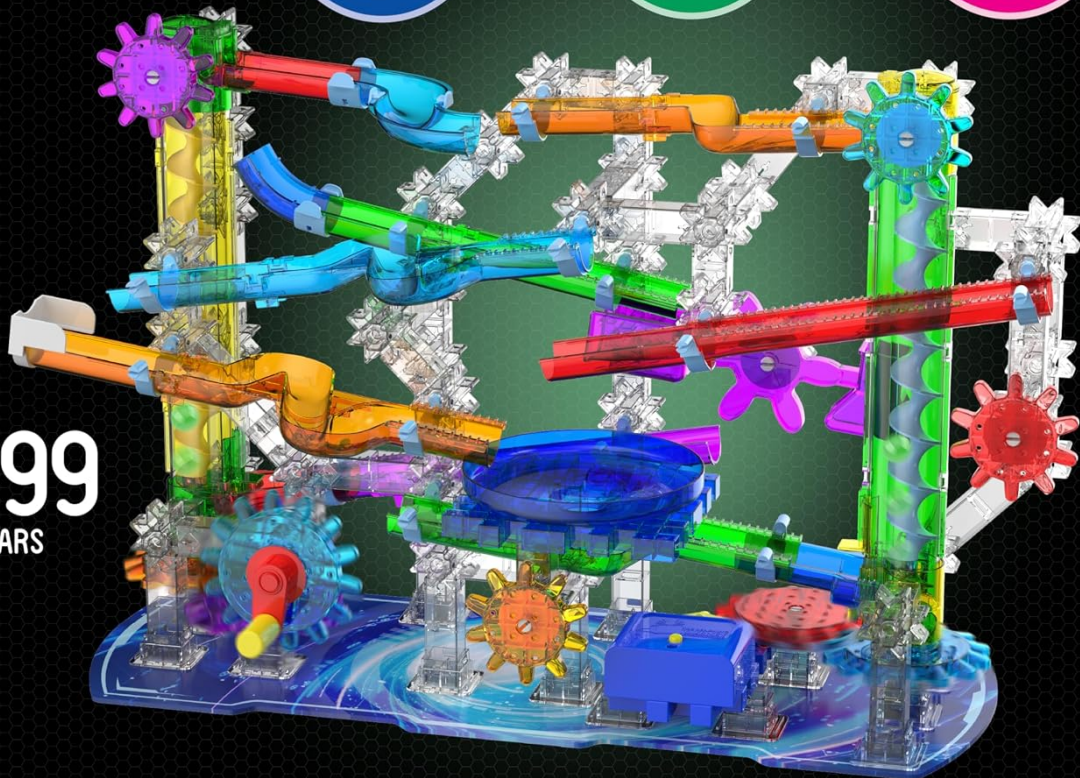
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Follow these steps to assemble your Techno Gears Marble Mania TwinTwister Max:

1. **Unpack Components:** Carefully remove all pieces from the packaging. Verify that all 200+ pieces are present according to the parts list (refer to the separate parts diagram, if included).
2. **Choose Your Build:** The set offers multiple building options, including the main TwinTwister Max design and optional Corkscrew and Vortex sets. Select your desired configuration.
3. **Follow Assembly Instructions:** Refer to the detailed graphical instructions provided in the box for step-by-step assembly of your chosen marble run design. Ensure all connections are secure.
4. **Install Power Source (if motorized):** If using the motorized gear lifter, insert the required batteries (not included) into the motor unit as indicated in the assembly guide. Ensure correct polarity.
5. **Place Marbles:** Once assembled, place the included marbles at the designated starting points.



**8-99**  
YEARS



Aligns with the Science, Technology,  
Engineering, and Math (STEM) standards

*Image 3.1: The assembled marble run highlighting its STEM educational benefits and recommended age range.*

## 4. OPERATING INSTRUCTIONS

Once assembled, you can operate your marble run using either the hand crank or the motorized gear lifter.

### 4.1 Hand Crank Operation

1. Ensure the hand crank mechanism is correctly attached and free from obstructions.
2. Place marbles into the designated collection tray at the base of the hand crank lifter.
3. Turn the hand crank clockwise (or as indicated) to engage the gears and lift the marbles to the top of the track.
4. Observe as the marbles race down the dual spiraling tracks and through various twists and turns.

### 4.2 Motorized Gear Lifter Operation

1. Confirm that batteries are correctly installed in the motorized unit.

2. Locate the power switch on the motorized unit and turn it to the "ON" position.
3. Place marbles into the designated collection tray at the base of the motorized lifter.
4. The motorized gears will automatically lift the marbles to the top of the track, initiating their descent.
5. To stop operation, turn the power switch to the "OFF" position.



## Action packed marble maze with Two Spiral Lifters!

Image 4.1: Two children observing the marble run in action, demonstrating the interactive play experience.

### 5. MAINTENANCE

- **Cleaning:** Wipe down the plastic components with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all parts are dry before reassembly or storage.
- **Storage:** When not in use, store the marble run in a clean, dry place away from direct sunlight and extreme temperatures. Disassemble if necessary for compact storage.
- **Battery Replacement:** If using the motorized lifter, replace batteries when the motor's performance diminishes. Always use the recommended battery type and dispose of old batteries responsibly.
- **Inspection:** Periodically inspect all parts for wear or damage. Replace any broken or worn components to

ensure safe and proper operation.

## 6. TROUBLESHOOTING

**Marbles are getting stuck:**

- Check all track connections to ensure they are securely fastened and properly aligned.
- Verify that no foreign objects are obstructing the tracks.
- Ensure the marble run is placed on a flat, stable surface.

**Motorized lifter is not working:**

- Confirm that the power switch is in the "ON" position.
- Check if the batteries are correctly installed with the proper polarity.
- Replace old batteries with new ones.
- Ensure there are no obstructions preventing the gears from turning.

**Hand crank is difficult to turn:**

- Inspect the hand crank mechanism for any obstructions or misaligned gears.
- Ensure the components are clean and free of debris.

## 7. SPECIFICATIONS

| Feature                        | Detail                     |
|--------------------------------|----------------------------|
| Model Number                   | 151136                     |
| Number of Pieces               | 200+                       |
| Material Type                  | Plastic                    |
| Assembly Required              | Yes                        |
| Batteries Required             | Yes (not included)         |
| Recommended Age                | 8 years and up             |
| Product Dimensions (L x W x H) | 40.5 x 11.5 x 32.5 cm      |
| Item Weight                    | 1.95 kg                    |
| Educational Objective          | Motor Skill, STEM learning |
| UPC                            | 657092151136               |

**3 BUILDS in 1!**  
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**OVER 1.1FT TALL!** | **200+ PIECES** | **6 MARBLES**

**VORTEX**

**CORKSCREW**

Everything you need to build up your marble run designs!

Image 7.1: Diagram illustrating the "3 Builds in 1" feature, including the main TwinTwister Max, Vortex, and Corkscrew options.