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VTech XL300E

VTech Marble Rush Space Magnetic Mission Set XL300E

Electronic Marble Run Instruction Manual

1. Introduction

Welcome to the VTech Marble Rush Space Magnetic Mission Set XL300E! This exciting electronic marble run construction set is designed for children aged 4 and up. It features 120 building pieces and 10 MarbleBalls, including 5 special MagiTech metallic MarbleBalls, to create dynamic space-themed circuits. Explore gravity, magnetism, and STEM concepts through interactive play. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure a fun and safe experience.



Image 1.1: Fully assembled VTech Marble Rush Space Magnetic Mission Set XL300E.

2. Safety Information

- **WARNING: CHOKING HAZARD** – Small parts. Not for children under 36 months (3 years).
- Adult supervision is recommended during assembly and play.
- Keep batteries away from young children. If swallowed, seek immediate medical attention.
- Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Ensure all pieces are securely connected before play to prevent accidental detachment.

3. Package Contents

Please check the box to ensure all components are present:

- 120 x Construction Pieces

- 10 x MarbleBalls (5 classic, 5 MagiTech metallic)
- 1 x Instruction Manual / Construction Guide
- 1 x Sheet of Decorative Stickers
- 2 x AA Batteries (pre-installed or included)

4. Setup

4.1 Battery Installation

1. Locate the battery compartment on the main electronic unit (e.g., the rocket launcher or UFO elevator base).
2. Using a screwdriver (not included), open the battery compartment cover.
3. Insert 2 new AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the cover and tighten the screw.

4.2 Assembly

Follow the included color-coded construction guide for step-by-step assembly. The set offers three levels of construction difficulty:

- **Level 1: Beginner** – Simple and quick to build, ideal for first-time users.
- **Level 2: Intermediate** – More complex structures with additional features.
- **Level 3: Advanced** – Challenging builds for experienced users, maximizing all set features.

Apply the decorative stickers to the designated pieces as shown in the guide to enhance the space theme.



Image 4.1: Examples of Level 1, Level 2, and Level 3 constructions.

5. Operating Instructions

5.1 Basic Play

Once assembled, place the MarbleBalls at the designated starting points, typically the rocket launcher or other entry funnels. Watch them roll through the circuit, activating various mechanisms.

5.2 Magnetic and Electronic Features

- **Rocket Launcher:** Place MarbleBalls into the rocket. It recognizes the balls, and metallic MagiTech MarbleBalls are specifically directed towards the UFO elevator. The rocket may feature lights and sounds upon launch.
- **UFO Elevator:** This magnetic elevator lifts MagiTech metallic MarbleBalls to the top of the circuit, allowing them to continue their journey.
- **Magnetic Arms:** Certain sections feature magnetic arms that magically transfer MagiTech metallic MarbleBalls from one track to another.
- **Gravity Vortex & Other Interactions:** Classic MarbleBalls and MagiTech balls will navigate through various passages, switches, and interaction zones, creating exciting paths and effects.



Image 5.1: Detailed view of magnetic actions and MagiTech MarbleBalls.



Image 5.2: The rocket launcher and different MarbleBalls.

5.3 Expanding Your Circuit

The VTech Marble Rush Space Magnetic Mission Set XL300E is compatible with all other VTech Marble Rush construction kits. Combine sets to create even larger, more intricate, and unique marble runs.

6. Maintenance

- **Cleaning:** Wipe the toy with a slightly damp cloth. Do not immerse any electronic parts in water. Do not use harsh cleaners or solvents.
- **Storage:** Store the set in a cool, dry place away from direct sunlight. If storing for an extended period, remove batteries to prevent leakage.
- **Battery Replacement:** Replace batteries when electronic functions become weak or stop working.

7. Troubleshooting

- **Electronic features not working:** Check if batteries are correctly installed and not depleted. Replace with fresh batteries if necessary. Ensure the power switch (if present) is in the 'ON' position.
- **MarbleBalls getting stuck:** Check for any misaligned pieces or obstructions in the tracks. Ensure all connections are secure and flush.
- **Magnetic features not working with metallic balls:** Ensure you are using the MagiTech metallic MarbleBalls. Check for any debris on the magnetic surfaces.
- **Pieces not fitting together:** Refer to the construction guide to ensure you are using the correct pieces for each step and aligning them properly.

8. Specifications

Model Number	XL300E (559805)
Brand	VTech
Recommended Age	4 - 10 years
Number of Pieces	120
MarbleBalls Included	10 (5 classic, 5 MagiTech metallic)
Power Source	2 x AA Batteries (included)
Dimensions (L x W x H)	60 x 65 x 39 cm (approx.)
Weight	2.82 kg (approx.)
Material	Plastic

9. Warranty and Support

For warranty information, product support, or to purchase replacement parts, please visit the official VTech website or contact VTech customer service in your region. Keep your proof of purchase for warranty claims.

VTech Official Website: www.vtech.com

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