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Moyu Super WeiLong

Moyu Super WeiLong 2023 3x3 Magnetic Speed Cube Instruction Manual

Model: Super WeiLong (8-Magnet Spring Ball-core UV Coated)

INTRODUCTION

Welcome to the instruction manual for your Moyu Super WeiLong 2023 3x3 Magnetic Speed Cube. This high-performance puzzle cube features advanced magnetic positioning, adjustable elasticity, and a smooth UV-coated surface designed for speedcubing enthusiasts. This manual will guide you through understanding its features, setup, operation, and maintenance to ensure optimal performance and longevity.

SAFETY INFORMATION

WARNING: Choking Hazard - Small Parts. Not for children under 3 years.

Always supervise young children when they are interacting with the cube to prevent accidental ingestion of small parts.

WHAT'S IN THE BOX

- 1 x 3x3 Magnetic Puzzle Cube
- 1 x MOYU Cube Strap

WHICH SUPER WEILONG MODEL IS RIGHT FOR YOU?

Model	Super WeiLong 8-Magnet Spring Ball-core	Super WeiLong 8-Magnet MagLev Ball-core	Super WeiLong 20-Magnet MagLev Ball-core
Elasticity System	Spring	Magnetic Levitation	Magnetic Levitation
Elasticity Levels	9 Levels	9 Levels	9 Levels
Magnetic Core	Ball-Core Positioning 2.0	Ball-Core Positioning 2.0	Ball-Core Positioning 3.0
Core Magnets	8 Pieces	8 Pieces	20 Pieces
Ball-Core Magnetic Force Level	8 Levels	8 Levels	8 Levels
Total Magnetic Particles	76 Pieces	88 Pieces	100 Pieces
Assembly Structure	Unified-body Core	Unified-body Core	Unified-body Core
Anti-Corner Twist Feature	Anti-Corner Twist Feature	Anti-Corner Twist Feature	Anti-Corner Twist Feature
Digital Compass Color	Light Green	Light Blue	Antique Gold

Image: The Moyu Super WeiLong 2023 cube and its accompanying strap, neatly packaged.

SETUP AND ADJUSTMENT

The Moyu Super WeiLong 2023 offers extensive customization to match your preferred turning style. This model features an 8-magnet spring ball-core system with adjustable magnetic force and elasticity.

Adjustable Magnetic Ball Core

The cube's interior is equipped with 76 magnets, including 8 magnets in the ball-core, 8 on corner bases, and 12 on edge bases. The ball-core magnetic force can be adjusted across 8 levels. Lower settings result in shorter magnetic distance, stronger attraction, and faster turning.

Ball-Core Positioning 3.0

8 LEVELS OF ADJUSTABLE CORE MAGNETIC FORCE

Ball-Core Positioning Magnetic Force Resembles a "Planetary Accelerator" on the Corner Pieces. Adjust the Gravitational Force between the Magnetic Force and the Ball-Core through Digital Compass Settings to Adjust Speed

Smaller numbers result in shorter magnetic distance, stronger attraction, and faster turning



Image: Illustration of the 8-level adjustable magnetic ball core, indicating how to change magnetic strength.

Spring Elasticity and Tension Adjustment

The cube features 9 levels of spring elasticity and continuous tension adjustment. These settings allow you to fine-tune the cube's feel and responsiveness.

Using the Calibration Device

A multi-functional calibration device (often referred to as a "Cube Wand") is included to adjust tension, elasticity, and magnetic force. Refer to the markings on the cube and the tool for precise adjustments.



Image: The Cube Wand, a tool for adjusting the cube's internal mechanisms.

OPERATING THE CUBE

The Moyu Super WeiLong 2023 is designed for smooth and stable turning, enhancing your cubing experience.

43°+ Assist Repositioning

The cube incorporates a magnetic levitation system that assists in repositioning. When a turn is approximately 43 degrees from completion, the magnets between the corner blocks and the core help the cube automatically snap into place, ensuring precise and fluid movements.



Image: Visual representation of the 43°+ Assist Repositioning mechanism.

Smooth and Stable Turning

The V-shaped cross-section design significantly reduces gaps between pieces, contributing to stable rotations and high-speed performance. The hidden triangular corner foot design further enhances stability and prevents corner twists.

ANTI-POPPING, ANTI CORNER TWIST

The hidden triangular corner foot design inside the cube, along with the seemingly ordinary right-angle corner foot design outside, forms the magical code that maintains stable cube rotations, restraining potentially uncontrollable rapid-speed energy, allowing you to unleash speed without worry.



Image: Diagram illustrating the V-Shaped Cross-Section Design for enhanced stability.

MAINTENANCE

Proper maintenance ensures your Moyu Super WeiLong 2023 cube remains in top condition for extended use.

Cleaning the Cube

The UV-coated surface provides a smoother feel and is easy to clean. Use a soft, dry cloth to wipe down the cube's exterior. Avoid abrasive cleaners or solvents, as these can damage the coating.

Lubrication

The cube features a "dragon scale anti-sticky design" which decreases the inner contact surface on each piece, reducing the need for frequent lubrication. If the cube feels sluggish over time, apply a small amount of speed cube lubricant (not included) to the internal contact points. Do not over-lubricate.

Calibration Tools Simultaneously Upgraded for Pleasant Surprises
One Tool for Three Functions, Portable and Practical

Precision Calibration System

CUBE WAND CUBE CALIBRATION DEVICE



Image: Internal design features that contribute to anti-sticky performance.

TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Cube feels too loose or too tight:** Use the included calibration device to adjust the spring elasticity and tension settings. Refer to the "Setup and Adjustment" section.
- **Cube feels sluggish or sticky:** Apply a small amount of speed cube lubricant to the internal mechanisms. Ensure the cube is clean from dust or debris.
- **Popping or Corner Twists:** The Super WeiLong 2023 is designed with anti-popping and anti-corner twist features, including hidden triangular corner feet. If these issues occur, check your tension settings. If the cube is too loose, it may be more prone to popping.



Image: Design elements that prevent popping and corner twists.

SPECIFICATIONS

Feature	Detail (8-Magnet Spring Ball-core UV Coated Model)
Product Dimensions	2.16 x 2.16 x 2.16 inches
Item Weight	1.61 pounds
Elasticity System	Spring
Elasticity Levels	9 Levels
Magnetic Core	Ball-Core Positioning 2.0
Core Magnets	8 Pieces
Ball-Core Magnetic Force Level	8 Levels
Total Magnetic Particles	76 Pieces
Assembly Structure	Unified-body Core
Anti-Corner Twist Feature	Yes
Surface Finish	UV Coated
Recommended Age	6 years and up

WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your Moyu Super WeiLong 2023 3x3 Magnetic Speed Cube, please contact the seller directly through the platform where you purchased the product. You can also visit the official

[Moyu Store on Amazon](#) for more information and product updates.

Please retain your proof of purchase for any warranty claims, if applicable. Specific warranty details may vary by region and retailer.