

## Moyu Super WeiLong

# Moyu Super WeiLong 2023 Ball Core UV Coated Magnetic Speed Cube 3x3 Instruction Manual

Model: Super WeiLong

## 1. INTRODUCTION

The Moyu Super WeiLong 2023 Ball Core UV Coated Magnetic Speed Cube 3x3 is an advanced puzzle designed for speedcubing enthusiasts. It features a sophisticated internal mechanism with magnetic ball-core positioning, adjustable tension, and a smooth turning experience. This manual provides essential information for setting up, operating, maintaining, and understanding the features of your new speed cube.



Image: The Moyu Super WeiLong 2023 Ball Core UV Coated Magnetic Speed Cube.

## 2. SETUP AND INITIAL ADJUSTMENTS

Your Moyu Super WeiLong cube comes pre-assembled and ready for use. However, it offers extensive customization options to fine-tune its performance to your preference. The cube features an adjustable system for magnetic force, elasticity, and tension.

### 2.1 Adjustment Tools

The cube includes a specialized calibration tool, often referred to as a 'Cube Wand', which allows for precise adjustments.



Image: The Cube Wand calibration device for adjustments.

## 2.2 Adjusting Magnetic Force

The Ball-Core Positioning 3.0 system allows for 8 levels of adjustable core magnetic force. Use the calibration tool to rotate the digital compass settings on the corner pieces. Smaller numbers typically result in shorter magnetic distance, stronger attraction, and faster turning.



Image: Diagram illustrating the adjustable magnetic force mechanism.

## 2.3 Adjusting Elasticity

The magnetic levitation elasticity can be set to 9 different levels. Adjust this setting to control the overall feel and stability of the cube's turns.



Image: Diagram illustrating the adjustable elasticity mechanism.

## 2.4 Adjusting Tension

The cube also allows for continuous tension adjustment. This setting affects how tightly the pieces are held together, influencing corner cutting and overall stability.



Image: Diagram illustrating the adjustable tension mechanism.

## 3. OPERATING THE SPEED CUBE

The Moyu Super WeiLong is designed for smooth and rapid turning. Hold the cube comfortably in your hands, ensuring a firm but relaxed grip. Practice turning each face and layer to familiarize yourself with its movement and magnetic feel.

**MoYu**

Ball-Core Positioning 3.0

# 20-MAGNET BALL CORE 100-MAGNET CUBE

Full Magnetic Activation, Shattering Records



Image: A hand holding the MoYu Super WeiLong Speed Cube.

### 3.1 Turning and Corner Cutting

The cube's design allows for excellent corner cutting, meaning you can complete turns even if the layers are not perfectly aligned. Experiment with different turning styles to find what works best for your solving technique.

**MoYu**

— Magnetic Levitation System —

# WHO CAN STOP THE LEGENDARY SPEED?

43°+ Assist Repositioning

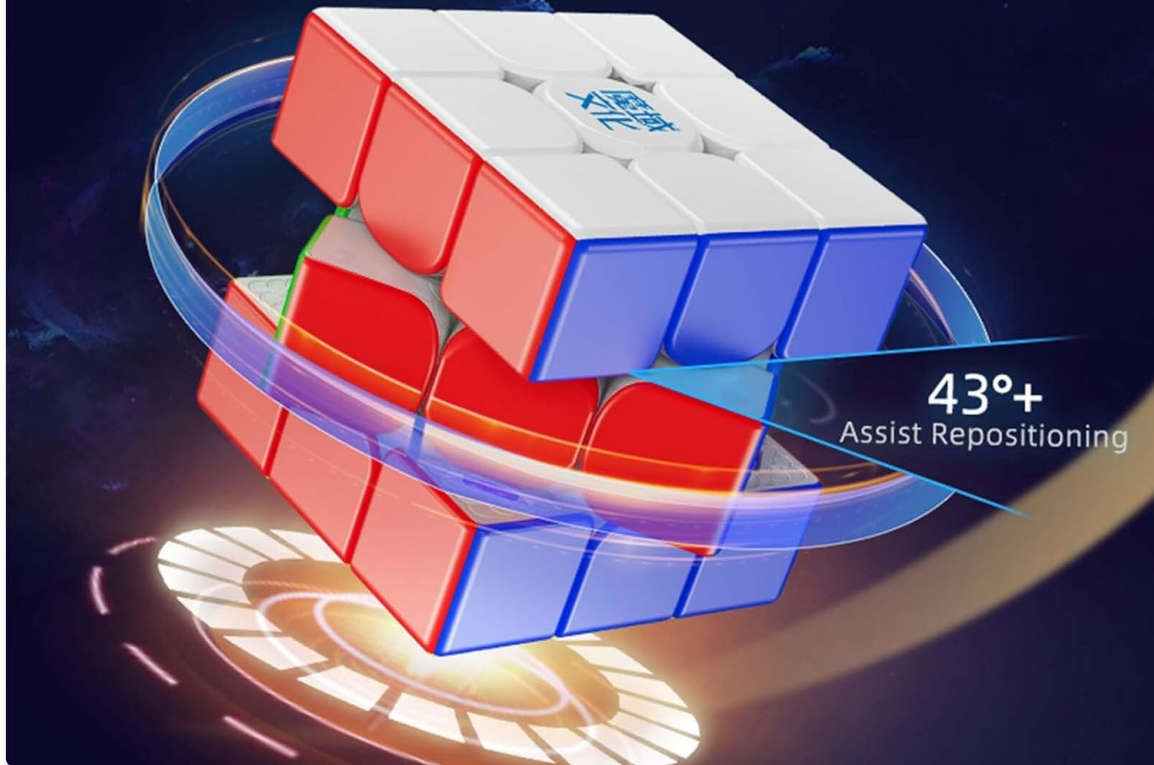


Image: The MoYu Super WeiLong Speed Cube being turned.

## 4. KEY FEATURES

### 4.1 Ball-Core Positioning 3.0

The cube's interior is equipped with 100 magnets, including 20 magnetic ball cores. This advanced positioning system, with 8 magnets on corner bases and 12 on edge bases, provides a consistent and powerful magnetic feel, enhancing stability and control during solves.

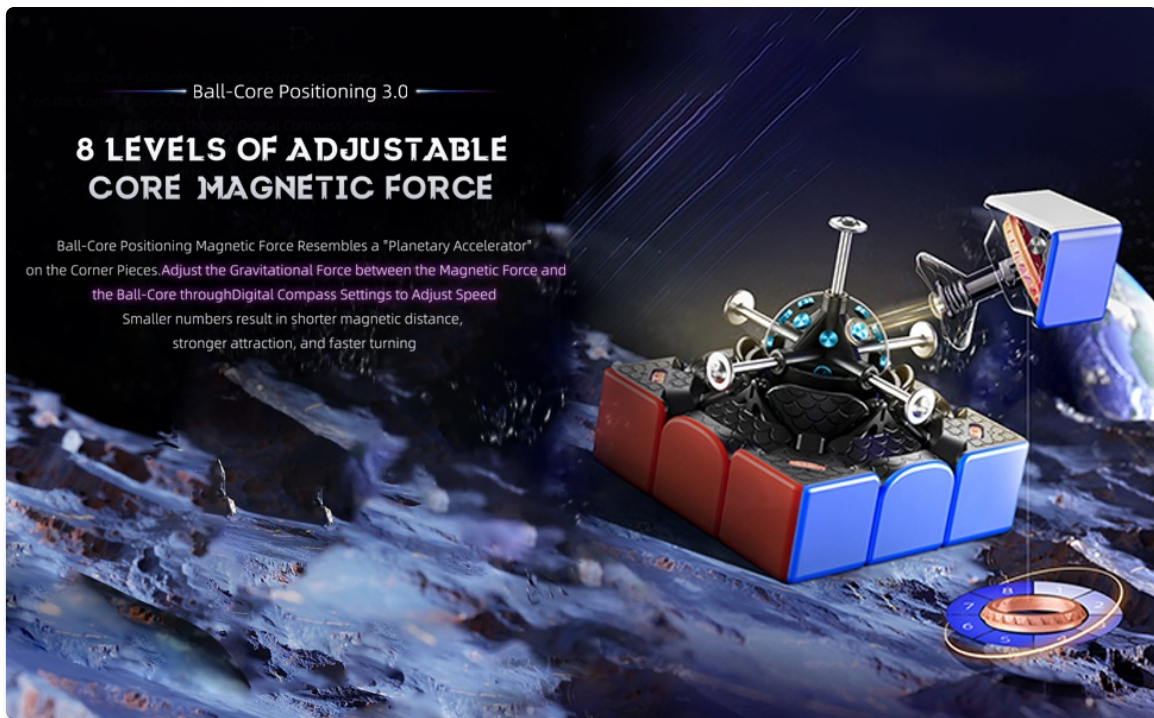


Image: Diagram illustrating the Ball-Core Positioning 3.0 system with 100 magnets.

#### 4.2 43°+ Assist Repositioning

The cube incorporates different magnet settings between the corner blocks and the core. This design assists the cube in automatically completing its rotation when it is approximately 43 degrees from its endpoint, contributing to smoother and faster turns.



Image: Visual representation of the 43+ Assist Repositioning feature.

#### 4.3 V-Shaped Cross-Section Design

The V-shaped cross-section design significantly reduces gaps within the cube, contributing to more stable rotations and high-speed performance.



Image: Diagram showcasing the V-Shaped Cross-Section Design.

#### 4.4 Anti-Popping and Anti-Corner Twist

The cube features a hidden triangular corner foot design internally and a right-angle corner foot design externally. These elements work together to maintain stable cube rotations and prevent popping or corner twisting during fast solves.



Image: Illustration of the anti-popping and anti-corner twist features.

#### 4.5 Dragon Scale Anti-Sticky Design

The dragon scale pattern on the internal pieces reduces the inner contact surface, minimizing friction and preventing stickiness. This design contributes to smoother turns and consistent high speeds.



Image: Diagram showing the Dragon Scale Anti-Sticky Design.

#### 4.6 MOYU Cube Strap

The included Moyu Cube Strap is made from skin-like silicone material, offering durability and comfort. It features a lightweight cube disc design and a one-key activation mechanism, allowing for easy attachment and detachment of the cube.



Image: Details of the Moyu Cube Strap, including material and design.

### 5. MAINTENANCE

To ensure the longevity and optimal performance of your Moyu Super WeiLong speed cube, follow these maintenance guidelines:

- **Cleaning:** Wipe the exterior of the cube with a soft, dry cloth to remove dust and fingerprints. Avoid using harsh chemicals or abrasive materials.
- **Lubrication:** While the cube features an anti-sticky design, occasional lubrication with a specialized speed cube lubricant can further enhance its smoothness. Apply a small amount of lubricant to the internal contact points and turn the cube to distribute it evenly. Do not over-

lubricate.

- **Storage:** Store the cube in a clean, dry place away from direct sunlight and extreme temperatures to prevent material degradation.
- **Adjustments:** Periodically check and re-adjust the magnetic force, elasticity, and tension settings to maintain your preferred feel.

## 6. TROUBLESHOOTING

If you encounter any issues with your Moyu Super WeiLong cube, consider the following:

- **Stiff Turning:** If the cube feels stiff, try adjusting the tension settings to a looser level. A small amount of speed cube lubricant can also help.
- **Loose Turning / Popping:** If the cube feels too loose or pieces pop out frequently, tighten the tension settings. Ensure all pieces are correctly seated.
- **Inconsistent Magnetic Feel:** Re-check the magnetic force settings on all corner pieces using the calibration tool to ensure they are uniform.
- **Damaged Pieces:** If any piece is damaged, contact Moyu customer support for assistance. Do not attempt to force damaged pieces.

## 7. SPECIFICATIONS

Feature	Detail
Brand Name	Moyu
Model Number	Super WeiLong
Product Style	20-Magnet MagLev Ball-core UV Coated
Item Shape	Cube
Size	3x3
Item Dimensions	3 x 3 x 0.04 inches
Material Type	Plastic
Puzzle Type	Twisty
Educational Objective	Problem Solving Skill, Hand-Eye Coordination
Skill Level	Intermediate
Is Assembly Required	No
Number of Pieces	1
Manufacturer Minimum Age	72 months (6 years)

# 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: Comparison table of Super WeiLong models, highlighting the 20-Magnet MagLev Ball-core version.

## 8. SAFETY INFORMATION

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

This product contains small parts that may pose a choking hazard. Adult supervision is recommended for young users. Keep out of reach of children under 3 years of age.

## 9. WARRANTY AND SUPPORT

Moyu products are designed for quality and performance. For any questions, technical support, or warranty inquiries, please refer to the seller's return policy or contact Moyu customer service through their official channels. Typically, products purchased on Amazon are eligible for returns within 30 days of receipt for a refund or replacement, subject to Amazon's return policy.

For further assistance, visit the official Moyu website or contact your retailer.

