

## Moyu V11 SE Maglev Ball Core Black Internal Version

# Moyu Weilong V11 SE 2025 3x3 Speed Cube Instruction Manual

Model: V11 SE Maglev Ball Core Black Internal Version

## 1. INTRODUCTION

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Thank you for choosing the Moyu Weilong V11 SE 2025 3x3 Speed Cube. This professional-grade puzzle cube features advanced magnetic and MagLev technology, designed for optimal speed and stability. This manual will guide you through its features, setup, operation, maintenance, and troubleshooting to ensure the best experience.

## 2. PRODUCT OVERVIEW

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The Moyu Weilong V11 SE 2025 incorporates several innovative features for enhanced performance:

### 2.1 Dual Adjustment System

The cube features a sophisticated dual adjustment system, allowing for precise customization of tension and magnetic strength. This system includes a MagLev mechanism and 8-level tension adjustment for fine-tuning the cube's feel.



*WeiLong V11 bietet  
zuverlässige Lösungen*

Image: Diagram illustrating the dual adjustment system with MagLev and 8-level tension settings. The MagLev system uses magnetic repulsion to reduce friction, while the 8-level tension adjustment allows for precise control over the cube's compression.

## **2.2 20-Magnet Ball Core Positioning 3.0**

Equipped with a 20-magnet omni-directional ball core, this cube provides smooth startup, reduced friction, and maximum speed performance. The magnets are evenly distributed for a harmonious and comfortable feel during solves.

**Ball Core Positioning 3.0**

# **20-MAGNET BALL CORE FULLY ENGINEERED FOR SPEED**



## **High-End Ball Core Positioning**

**20-Magnet Omni-Directional Drive** Smooth Startup, Reduced Friction,  
and Maximum Speed Performance

Image: Exploded view of the 20-magnet ball core mechanism within the speed cube, highlighting the internal magnetic components.

### **2.3 Visible Interpiece Magnets**

The cube features crystal magnetic capsules where magnets fit precisely into slots, ensuring they are not easily detached. This design enhances stability and tactile feedback.

## Magnet Distribution

*Evenly distributed magnets for a harmonious and comfortable feel.*



Image: Close-up view of the speed cube showing visible interpiece magnets, highlighting their secure placement within the cube's structure.

### **2.4 Seamless Structure and Anti-Twist Mechanism**

The integrated assembly provides a solid, drop-resistant build. It includes an inner triangular anti-pop mechanism (triple-lock) to prevent pieces from popping out, and an outer right-angle anti-twist defense to resist rough turns.



Image: Diagram illustrating the internal and external anti-twist mechanisms of the speed cube, showing how they prevent popping and resist twisting.

## 2.5 Dual Anti-Stick Design

The cube features lubrication storage pores for long-lasting lubrication and a dragon scale anti-stick treatment for a consistently smooth feel.



Image: Diagram showing the dual anti-stick design with lubrication storage pores for consistent lubrication and a dragon scale texture for a smooth turning experience.

## 3. SETUP

Your Moyu Weilong V11 SE 2025 speed cube comes pre-assembled and ready for use. However, you can

customize its feel to your preference using the dual adjustment system.

### 3.1 Adjusting Tension

1. Locate the center caps on each face of the cube.
2. Carefully remove a center cap to reveal the adjustment screw and the 8-level tension dial.
3. Use the included adjustment tool (if provided) or a small screwdriver to turn the screw. Turning clockwise increases tension (tighter), and counter-clockwise decreases tension (looser).
4. The 8-level dial allows for micro-adjustments. Align the desired number (1-8) with the indicator for consistent settings across all faces.
5. Adjust all six faces equally for a balanced feel.
6. Replace the center caps securely.

### 3.2 Adjusting Magnetic Strength (if applicable)

The MagLev system provides magnetic repulsion instead of springs, reducing friction. The strength of the core magnets is generally fixed for optimal performance. If your specific model includes adjustable corner/edge magnets, refer to any additional guides provided with the cube for those adjustments.

## 4. OPERATING THE CUBE

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The Moyu Weilong V11 SE 2025 is designed for competitive speedcubing and casual solving. Its smooth turning and stable mechanism allow for rapid and precise movements.

### 4.1 Basic Turning

- Hold the cube firmly but gently.
- Rotate faces with your fingers and wrists. The magnetic system will assist in aligning layers.
- Practice various algorithms and turning styles to find what works best for you.

### 4.2 Solving Techniques

This cube is suitable for all solving methods, from beginner methods like Layer-by-Layer to advanced methods like CFOP (Cross, F2L, OLL, PLL). Utilize the cube's smooth turning and corner-cutting capabilities to improve your solving times.

## 5. MAINTENANCE

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Proper maintenance will extend the lifespan and performance of your speed cube.

### 5.1 Lubrication

- Over time, the cube may feel less smooth. Apply a small amount of silicone-based speed cube lubricant to the internal contact surfaces.
- Turn the cube thoroughly after applying lubricant to distribute it evenly.
- Avoid using oil-based lubricants, as they can damage the plastic.

### 5.2 Cleaning

- Wipe the exterior of the cube with a soft, dry cloth to remove dust and fingerprints.
- For internal cleaning, carefully disassemble a few pieces (e.g., an edge piece) and wipe away any accumulated dust or debris. Reassemble carefully.

## 5.3 Storage

Store the cube in a clean, dry place, away from direct sunlight and extreme temperatures, to prevent material degradation.

## 6. TROUBLESHOOTING

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Here are solutions to common issues you might encounter:

### 6.1 Cube Feels Stiff or Grindy

- **Solution:** Apply speed cube lubricant. Check tension settings and loosen slightly if too tight.

### 6.2 Pieces Popping Out (Popping)

- **Solution:** Increase the tension slightly on all faces. Ensure the inner triangular anti-pop mechanism is functioning correctly. Avoid overly aggressive turning.

### 6.3 Cube Feels Too Loose

- **Solution:** Increase the tension slightly on all faces using the adjustment system.

### 6.4 Uneven Turning

- **Solution:** Ensure all six faces have the same tension setting. Re-lubricate the cube evenly.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	Moyu
Model Number	2505
Product Name	Weilong V11 SE Maglev Ball Core Black Internal Version
Type	3x3 Speed Cube
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	Black (Internal Version)
Weight	150 Grams
Dimensions	5.5 x 5.5 x 0.1 centimeters
Educational Objective	Problem Solving, Spatial Awareness, Creative Thinking, Logical Thinking
Skill Level	Expert
Age Range	Teenager

## 8. WARRANTY

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No specific warranty information is provided in the product details. For any warranty-related inquiries, please contact the seller or manufacturer directly.

## 9. SUPPORT

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For further assistance, product inquiries, or technical support, please contact the official Moyu support channels or the retailer from whom you purchased the product.

- **Brand:** Moyu
- **Seller:** MoYu FR
- **Moyu Brand Store:** [Visit the Moyu Store on Amazon.fr](#)