

## CuberSpeed CBMF251

# CuberSpeed QiHeng S2 Megaminx Dodecahedron Speed Cube Instruction Manual

## 1. INTRODUCTION

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This manual provides essential information for the CuberSpeed QiHeng S2 Megaminx Dodecahedron Speed Cube. It is designed to assist users in understanding the product's features, proper setup, operation, maintenance, and specifications. The QiHeng S2 Megaminx is a 12-sided puzzle cube, offering a unique challenge for puzzle enthusiasts.



Figure 1: The CuberSpeed QiHeng S2 Megaminx Dodecahedron Speed Cube.

## 2. PRODUCT FEATURES

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- **Sculpted Exterior:** The cube features a sculpted design, enhancing grip and handling during manipulation.
- **Stickerless Design:** Constructed from original and eco-friendly ABS material, eliminating the need for stickers. This prevents fading, peeling, and ensures long-lasting vibrant colors.
- **Frosted Surface:** The frosted surface provides a distinct tactile feel and helps to minimize visible scratches from prolonged use.
- **Anti-stick Design:** Internal mechanisms are designed to reduce friction and prevent stickiness, contributing to smoother turns.
- **Optimized Corner Cutting:** The design of the round corner pieces allows for effective coordination and improved corner-cutting ability, facilitating smoother rotations.



Figure 2: Detail of the QiYi Cube logo on the Megaminx.

### 3. SETUP

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The CuberSpeed QiHeng S2 Megaminx is ready for use directly out of the packaging. No assembly is required. For optimal performance, it is recommended to perform a few initial turns to distribute any factory lubrication and ensure all pieces move freely.

### 4. OPERATING INSTRUCTIONS

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The Megaminx is a dodecahedron-shaped puzzle with 12 faces, each typically a different color. The objective is to scramble the cube and then return each face to a single, solid color. This puzzle operates on similar principles to a standard 3x3 cube but with increased complexity due to the additional faces and pieces.

#### Basic Manipulation:

- Hold the cube firmly but gently.
- Rotate any face or layer by 72 degrees (one-fifth of a full turn) in either direction.
- Practice smooth, controlled movements to avoid accidental turns or dislodging pieces.

## Solving the Megaminx:

Solving a Megaminx typically involves a layered approach, similar to a 3x3 cube, but adapted for the dodecahedron shape. Knowledge of 3x3 cube solving methods (such as CFOP or beginner methods) can be beneficial as a foundation.

Due to the complexity, a full solving guide is beyond the scope of this manual. Numerous online resources and tutorials are available for learning Megaminx algorithms and strategies. Search for "Megaminx solving tutorial" for detailed step-by-step instructions.

Video 1: Demonstration of the CuberSpeed QiHeng S2 Megaminx's smooth turning capabilities.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Megaminx cube.

### Cleaning:

- Wipe the exterior surfaces with a soft, dry cloth to remove dust and fingerprints.
- Avoid using harsh chemicals or abrasive materials, as these can damage the plastic.

### Lubrication:

Over time, the cube's turning may become less smooth. Applying a small amount of speed cube lubricant can restore its performance. Apply lubricant sparingly to the internal contact points between pieces.

### Tension Adjustment:

The cube's tension can be adjusted to suit individual preferences. Each center cap can be removed to reveal a screw. Turning the screw clockwise tightens the tension, making the cube more stable, while turning it counter-clockwise loosens it, making it faster and more flexible. Adjust tension gradually and evenly across all faces for best results.

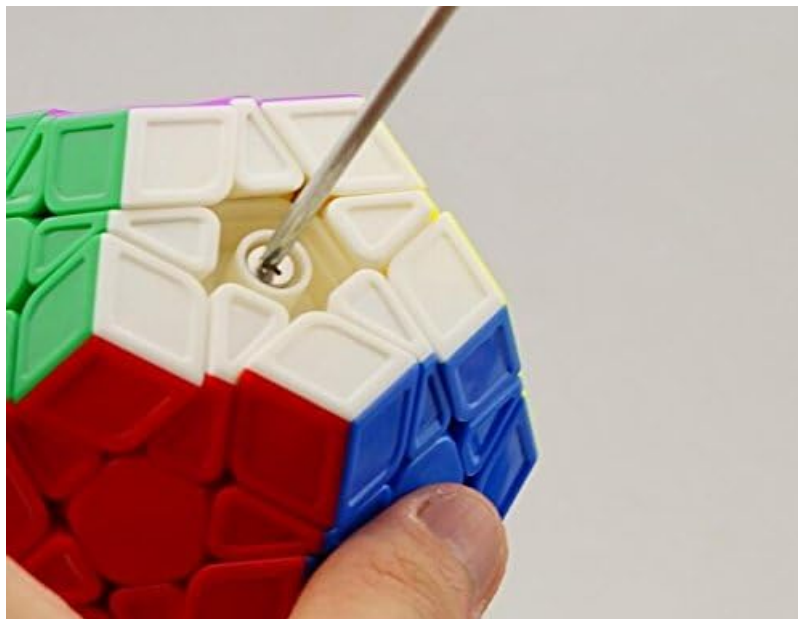


Figure 3: Adjusting the tension of the Megaminx cube.

## 6. TROUBLESHOOTING

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- **Cube feels stiff:** Apply speed cube lubricant to the internal mechanisms. Ensure tension screws are not

overtightened.

- **Cube feels too loose/pops:** Tighten the tension screws slightly, ensuring even adjustment across all faces.
- **Pieces are misaligned:** Gently realign pieces. If a piece pops out, carefully reinsert it, ensuring it is correctly oriented.

## 7. SPECIFICATIONS

Specification	Detail
Product Dimensions	3.15 x 3.15 x 3.15 inches
Item Weight	7 ounces
Model Number	CBMF251
Recommended Age	3 years and up
Material	ABS Plastic (Stickerless)



Figure 4: The Megaminx cube on a scale, indicating its weight.

## 8. WARRANTY AND SUPPORT

Information regarding specific warranty terms or dedicated support channels for the CuberSpeed QiHeng S2 Megaminx is not provided in this manual. For any product-related inquiries, warranty claims, or technical assistance, please refer to the retailer or manufacturer's official website for their customer service contact information.

