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> Moyu Meilong 2M 2x2 Magnetic Speed Cube Instruction Manual

Moyu MF8882

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1. PRODUCT OVERVIEW

The Moyu Meilong 2M 2x2 Magnetic Speed Cube is a high-performance puzzle designed for speedcubing enthusiasts and casual solvers alike. It features a magnetic positioning system, adjustable elasticity, and a durable stickerless design for a smooth and consistent solving experience.

Magnetic Positioning

Enhance the Fun with Magnetic Support

Magnetic Particles for Easier
Alignment and Smooth Turnings



Image 1.1: Front view of the Moyu Meilong 2M 2x2 Magnetic Speed Cube.

2. KEY FEATURES

- **Magnetic Positioning System:** Integrated hidden magnets ensure precise alignment and stability, contributing to smoother and more controlled turns.
- **Adjustable Elasticity:** A built-in system allows for manual adjustment of the cube's tension, enabling users to customize the feel to their personal preference.
- **Stickerless Design:** Constructed from high-quality ABS material, the cube features vibrant, stickerless colors that are scratch-resistant, non-slip, and anti-fingerprint, enhancing durability and visual appeal.
- **Smooth Matte Surface:** The cube's surface is treated with a fine matte finish to prevent scratches and provide a comfortable grip.



Image 2.1: Illustration of the cube's internal magnetic positioning system.



Image 2.2: The adjustable elasticity mechanism of the cube.



Image 2.3: Detail of the cube's smooth matte stickerless surface.

3. SETUP AND INITIAL USE

The Moyu Meilong 2M 2x2 Magnetic Speed Cube comes pre-assembled and ready for immediate use. No

complex setup is required.

3.1 Unboxing and Inspection

1. Carefully remove the cube from its packaging.
2. Inspect the cube for any visible damage or loose parts.
3. Familiarize yourself with the cube's movement by performing a few turns on each face.

3.2 Adjusting Elasticity (Tension)

The cube's tension can be adjusted to match your turning style and preference. This affects how loose or tight the cube feels.

1. Gently pry off the center cap on any face of the cube. This will reveal a screw.
2. Using a small screwdriver (or the adjustment tool if provided), turn the screw clockwise to increase tension (make the cube tighter) or counter-clockwise to decrease tension (make the cube looser).
3. Adjust each of the six screws evenly for balanced tension across the cube.
4. Replace the center caps after adjustment.

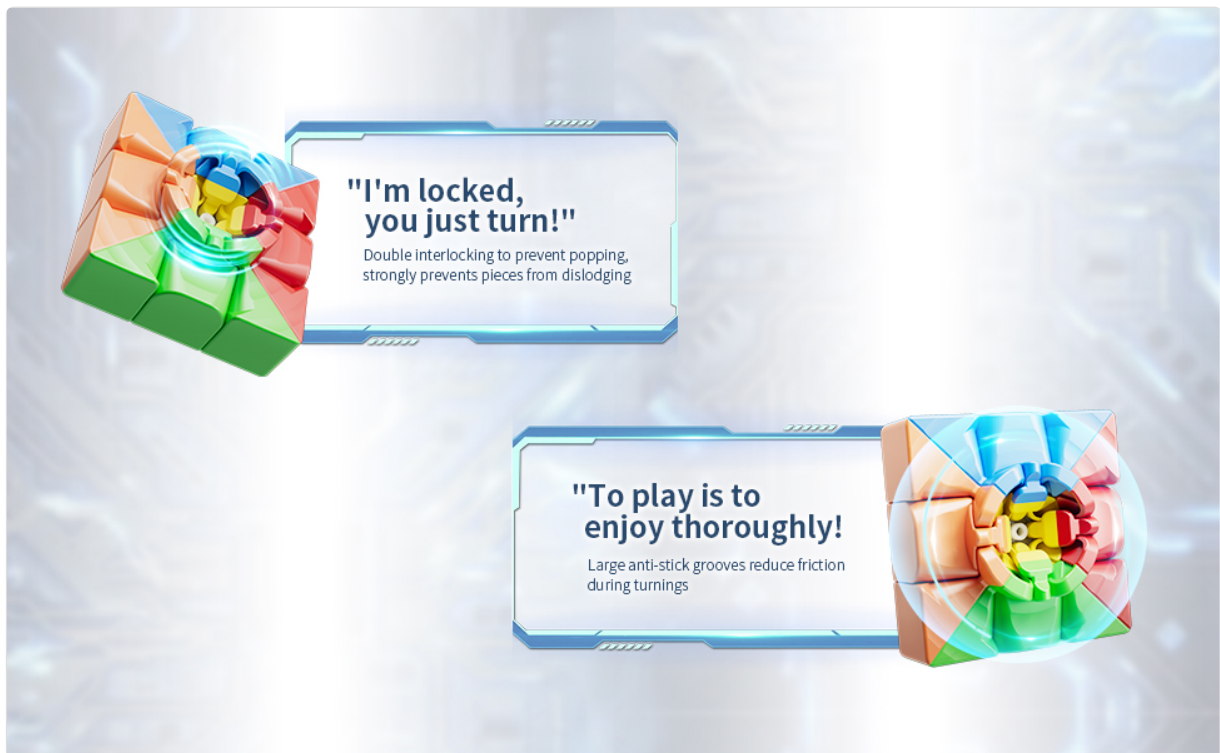


Image 3.1: The internal core mechanism, indicating where tension adjustments are made.

4. OPERATING INSTRUCTIONS

The objective of the 2x2 speed cube is to scramble the colors and then return each face to a single, solid color. The magnetic system aids in precise and fluid movements during solving.

4.1 Basic Manipulation

1. Hold the cube comfortably in your hands.
2. Rotate the layers (faces) of the cube horizontally, vertically, or front-to-back.
3. The magnets will provide a subtle 'click' or 'snap' into place, helping to align the layers accurately after each turn.

4.2 Solving Techniques

While this manual does not cover specific solving algorithms, numerous resources are available online for learning 2x2 cube solving methods, from beginner to advanced techniques. Search for '2x2 Rubik's Cube tutorial' or '2x2 speedcubing algorithms' to get started.



Image 4.1: A user engaging with the speed cube.

5. MAINTENANCE

5.1 Cleaning

To maintain optimal performance and appearance:

- Wipe the exterior of the cube with a soft, dry, lint-free cloth.
- Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the plastic and colors.

5.2 Lubrication

For advanced users seeking to enhance turning speed and smoothness, specialized silicone-based speed cube lubricants can be applied:

- Apply a small amount of lubricant to the internal contact points of the cube.
- Work the lubricant into the mechanism by performing several turns.

- Do not over-lubricate, as this can make the cube feel sluggish.

6. TROUBLESHOOTING

- **Cube feels too loose or too tight:** Adjust the elasticity (tension) using the screws under the center caps as described in Section 3.2.
- **Pieces feel sticky or rough:** Clean the cube as described in Section 5.1. If the issue persists, consider applying a small amount of speed cube lubricant (Section 5.2).
- **Pieces pop out:** This can occur if the tension is too loose or during very aggressive turning. Reassemble the popped pieces carefully. Consider tightening the cube's tension slightly to prevent future pops.

7. SPECIFICATIONS

Attribute	Value
Product Dimensions	1.96 x 1.96 x 1.96 inches
Item Weight	2.89 ounces
Model Number	MF8882
Manufacturer	Moyu
Recommended Age	6 years and up

8. SAFETY INFORMATION

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

Ensure children play with the cube under appropriate supervision, especially those under the recommended age.

9. WARRANTY AND SUPPORT

For product support, inquiries, or assistance with your Moyu Meilong 2M 2x2 Magnetic Speed Cube, please contact Moyu customer service through their official website or the retailer from whom the product was purchased. Please retain your proof of purchase for any warranty claims.