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Moyu RS3M V5 Magnetic Dual Adjustment (Model MF8804)

Moyu RS3M V5 Magnetic Dual Adjustment 3x3 Speed Cube User Manual

MODEL: MF8804

Introduction

Thank you for choosing the Moyu RS3M V5 Magnetic Dual Adjustment 3x3 Speed Cube. This manual provides essential information for setting up, adjusting, and maintaining your speed cube to ensure optimal performance and an enjoyable solving experience. The RS3M V5 is designed for speed cubers seeking a cost-effective, high-performance puzzle with advanced magnetic and dual adjustment systems.

Key Features

- **Cost-effective Performance:** The RS3M V5 is a lightweight (67g) speed cube designed for reduced resistance and enhanced speed.
- **Magnetic Positioning:** Features 48 built-in hidden magnets for consistent piece alignment and improved stability during solves.
- **90° All-Position Corner-Cutting:** Allows for 55° positive and 35° negative corner-cutting, enabling rapid and smooth turns.
- **Smooth, Swift & Stable Design:** Incorporates Dual Anti-pop Feet, Round-square Center Design, and Dragon Scale Anti-sticky Design to minimize internal contact surface and enhance stability.
- **Stickerless Shade:** Innovative stickerless design provides vibrant colors and long-lasting durability without the need for stickers.



Internal mechanism of the Moyu RS3M V5, highlighting its advanced design for speed and stability.

Setup and Adjustment

The Moyu RS3M V5 features a dual adjustment system, allowing you to fine-tune the cube's feel and performance. This system includes tension adjustment via screws and a separate mechanism for adjusting magnetic levitation or spring elasticity.

Tension Adjustment

1. Carefully remove the center cap from any face of the cube.
2. Locate the screw inside the core.
3. Use the provided adjustment tool (or a small Phillips head screwdriver) to turn the screw. Turning clockwise increases tension (tighter feel), and turning counter-clockwise decreases tension (looser feel). Adjust all six faces evenly for balanced performance.

Magnetic Levitation / Spring Elasticity Adjustment

The RS3M V5 also features a 9-level adjustable system for magnetic levitation or spring elasticity, depending on your specific version. This adjustment is typically done by rotating a colored ring or component around the screw mechanism. Each click represents a different level of elasticity or magnetic repulsion, allowing for precise customization of the cube's turning speed and stability.



The dual adjustment system allows for fine-tuning of tension and magnetic/spring feel.

Your browser does not support the video tag.

Video demonstrating the Ball Core Cube and its adjustment features, including the robot-shape display box.

Operating the Speed Cube

The Moyu RS3M V5 is designed for smooth and fast turning. To operate, simply rotate the layers of the cube to mix the colors. The goal is to return each face to a single, solid color. For beginners, an instruction guide with basic solving methods (algorithms) is included in the packaging. Practice is key to improving your solving speed and technique.

Your browser does not support the video tag.

Video showcasing the Moyu RS3M V5 as a top 3x3 speed cube, highlighting its performance.

Maintenance

To ensure the longevity and optimal performance of your Moyu RS3M V5, follow these maintenance tips:

- **Cleaning:** Periodically wipe the cube's exterior with a soft, dry cloth to remove dust and grime. Avoid using harsh chemicals.
- **Lubrication:** For advanced users, applying a small amount of silicone-based speed cube lubricant can enhance turning smoothness. Apply sparingly to the internal contact points and turn the cube to distribute.
- **Storage:** Store the cube in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.

Troubleshooting

If you encounter any issues with your speed cube, consider the following:

- **Stiffness:** If the cube feels stiff, try loosening the tension screws slightly (counter-clockwise) on all faces. A small amount of lubricant may also help.
- **Popping:** If pieces frequently 'pop' out, the tension might be too loose. Try tightening the tension screws slightly (clockwise) on all faces. The anti-pop feet design of the RS3M V5 significantly reduces this issue.
- **Uneven Turning:** Ensure all tension screws are adjusted to the same level across all faces for

consistent turning.

Specifications

Feature	Detail
Product Dimensions	2.18 x 2.18 x 2.18 inches
Item Weight	3.52 ounces
Item Model Number	MF8804
Manufacturer Recommended Age	6 years and up
Manufacturer	Moyu

Safety Information

Choking Hazard: Contains small parts. Not suitable for children under 3 years of age. Adult supervision is recommended for young children.

Warranty and Support

For any questions, concerns, or support regarding your Moyu RS3M V5 Magnetic Dual Adjustment 3x3 Speed Cube, please refer to the manufacturer's official website or contact their customer service. Specific warranty details may vary by region and retailer.