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AMAZA Warrior S

Instruction Manual for QiYi Toys Stickerless 3x3x3 Warrior S Magic Cube

Brand: AMAZA

1. INTRODUCTION

Thank you for choosing the QiYi Toys Stickerless 3x3x3 Warrior S Magic Cube. This speed cube is designed for smooth rotation and durable performance, offering an engaging puzzle experience for all ages. It features a stickerless design with vibrant colors, ensuring long-lasting visual appeal and eliminating the need for sticker replacement.

This manual provides essential information on the product's features, setup, operation, maintenance, and troubleshooting to help you get the most out of your new speed cube.

2. PRODUCT FEATURES

- **Speed 3x3x3 Design:** Engineered for fast and fluid turns, suitable for speedcubing.
- **Stickerless Construction:** Durable, vibrant colors directly molded into the plastic, preventing fading or peeling.
- **Adjustable Structure:** Allows for customization of tension to suit individual preferences.
- **Frosted Surface:** Provides a comfortable grip and reduces reflections.
- **Educational Benefits:** Enhances intelligence, improves three-dimensional imagination, and develops hand flexibility.

3. SETUP

The QiYi Warrior S Magic Cube comes pre-assembled and ready for use. No complex setup is required. Upon unboxing, you may wish to perform a few initial turns to familiarize yourself with the cube's movement and feel.

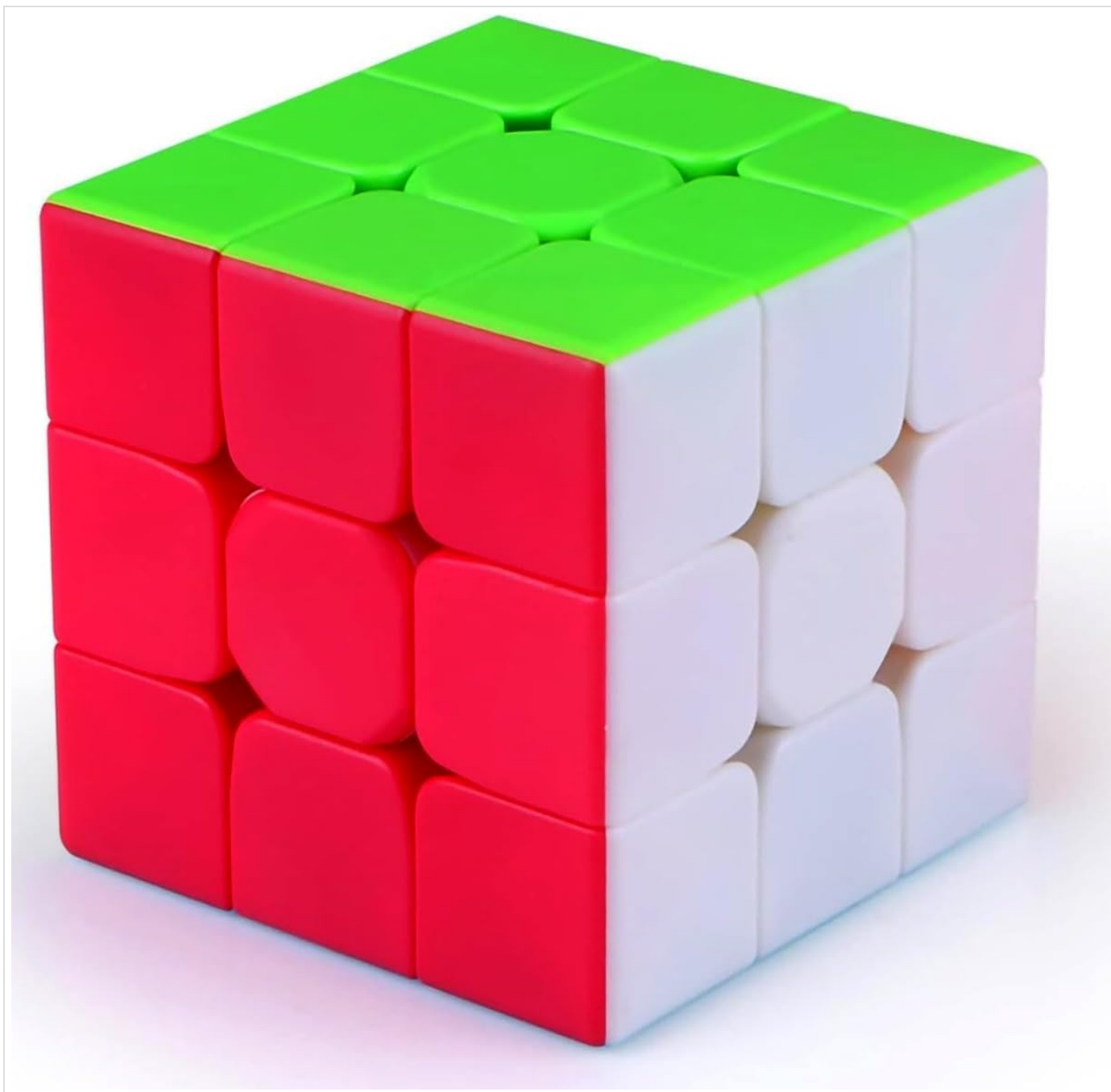


Figure 3.1: The QiYi Warrior S Magic Cube as it appears out of the box, showcasing its vibrant stickerless design with green, red, and white faces visible.

3.1 Initial Inspection

Before first use, gently rotate each face of the cube to ensure all mechanisms move freely and smoothly. Check for any visible damage or loose parts. If you notice any issues, refer to the Troubleshooting section.

4. OPERATING THE CUBE

The objective of the 3x3x3 magic cube is to scramble the colors and then restore each face to a single, solid color. This is achieved by rotating the layers of the cube.

4.1 Basic Movements

- **Face Turns:** Rotate any of the six faces (Front, Back, Up, Down, Left, Right) 90 degrees clockwise or counter-clockwise.
- **Middle Layer Turns:** Some advanced techniques involve rotating the middle layers.



Figure 4.1: A user's hands demonstrating the manipulation of the speed cube, showing how the layers can be rotated to scramble or solve the puzzle.

4.2 Scrambling the Cube

To begin, randomly rotate the faces of the cube until all colors are mixed across all sides. There is no specific method for scrambling; simply turn the faces until no side has a single color.



Figure 4.2: The speed cube in a scrambled state, displaying a mix of colors on its visible faces, ready for solving.

4.3 Solving the Cube

Solving a 3x3x3 cube involves a series of algorithms and logical steps. While this manual does not provide a full solving tutorial, numerous resources are available online for beginners and advanced solvers. Start by learning to solve one face, then the middle layer, and finally the last layer.

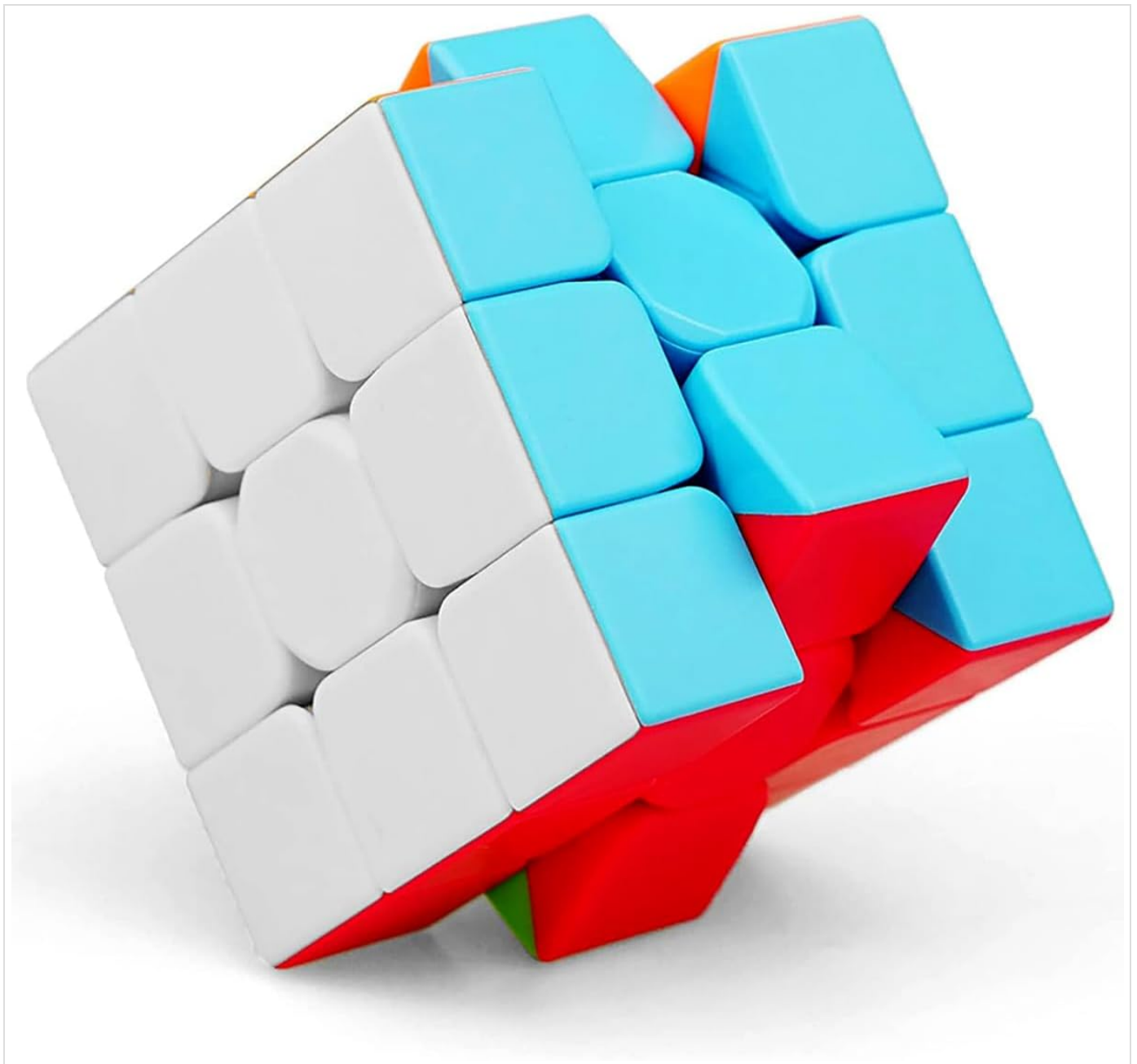


Figure 4.3: A partially solved speed cube, illustrating how some faces might begin to align with their respective colors during the solving process.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your speed cube.

5.1 Cleaning

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

5.2 Lubrication (Optional)

For enhanced smoothness, specialized silicone-based cube lubricants can be applied. Apply a small amount to the internal contact points of the pieces. Do not use oil-based lubricants, as they can degrade the plastic.

5.3 Tension Adjustment

Carefully remove the center caps on each face to reveal screws. Using a small screwdriver, turn the screws clockwise to tighten the tension (making the cube feel more stable) or counter-clockwise to loosen it (making it turn more freely). Adjust

each screw incrementally and evenly across all faces for balanced performance.

6. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Cube feels stiff or gritty:**
 - Clean the cube as described in Section 5.1.
 - Consider applying a small amount of cube lubricant (Section 5.2).
 - Loosen the tension slightly (Section 5.3).
- **Cube feels too loose or "gummy":**
 - Tighten the tension slightly (Section 5.3).
 - Ensure no foreign particles are lodged between pieces.
- **Pieces pop out:**
 - This can happen during aggressive turning or if the tension is too loose. Reinsert the piece carefully.
 - Tighten the tension (Section 5.3).
 - Avoid excessive force when turning.
- **Cube makes clicking noises:**
 - Minor clicking is normal due to internal mechanisms.
 - If excessive, check for loose screws or internal debris.

7. SPECIFICATIONS

Attribute	Value
Product Dimensions	2.2 x 2.2 x 2.2 inches
Item Weight	2.89 ounces
ASIN	B09S3GR4F4
Manufacturer Recommended Age	3 years and up
Manufacturer	AMAZA

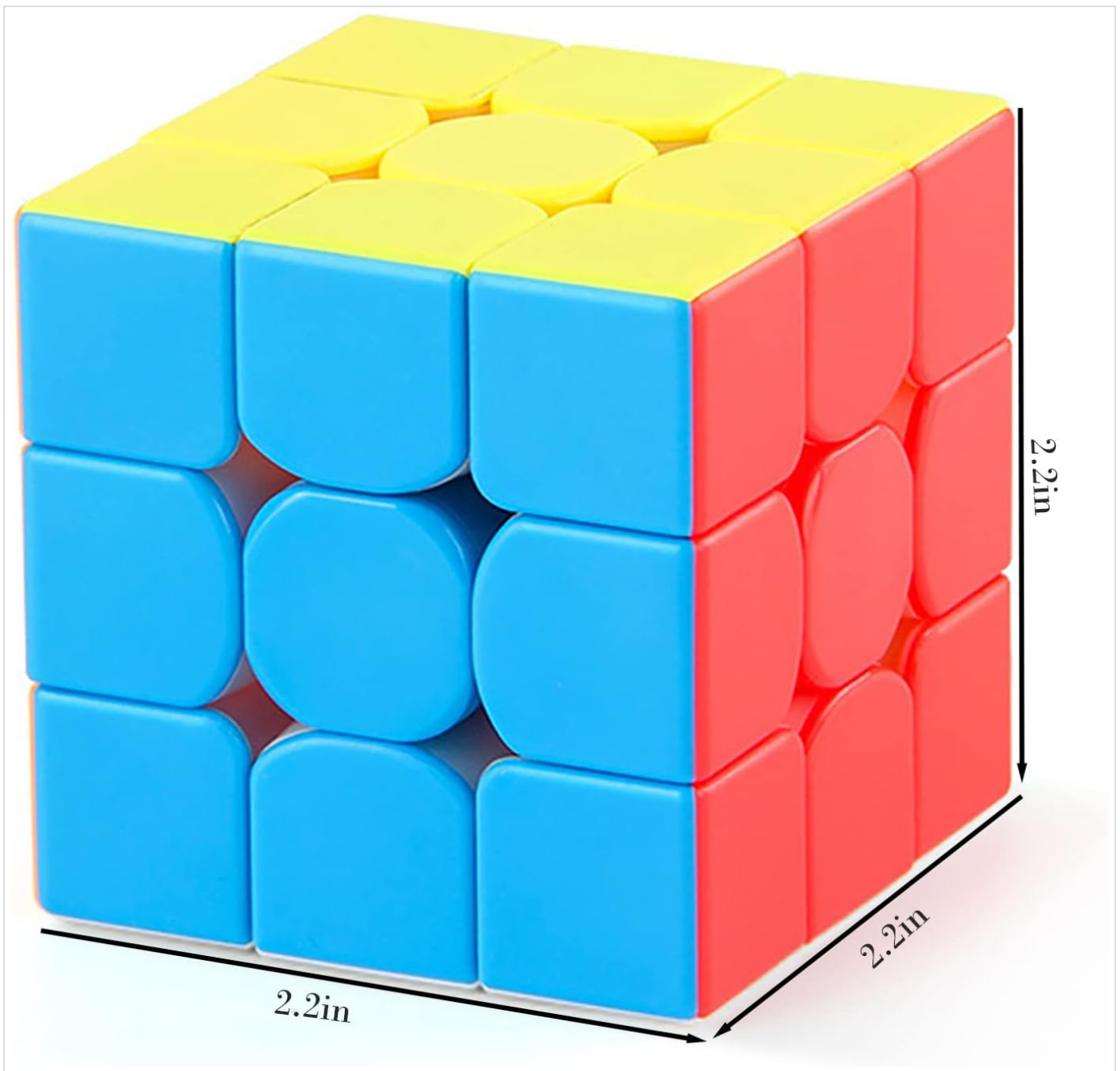


Figure 7.1: The speed cube with its dimensions (2.2 inches per side) clearly indicated, providing a visual reference for its size.

8. WARRANTY AND SUPPORT

For any questions regarding your QiYi Toys Stickerless 3x3x3 Warrior S Magic Cube, please contact AMAZA customer support through your order page on Amazon. We are committed to providing premium quality assurance and assistance. Please retain your proof of purchase for any warranty claims. Specific warranty details may vary; refer to your purchase documentation for more information.

