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Rubik's 6063989

Rubik's Edge 3x1 Cube Instruction Manual

Model: 6063989

1. ABOUT THE RUBIK'S EDGE 3x1 CUBE

The Rubik's Edge 3x1 Cube is a single-layer puzzle designed for beginners. It serves as an excellent introduction to the world of Rubik's puzzles, helping users develop problem-solving skills, memory capacity, and hand-eye coordination. This cube features nine colored squares on its top and bottom faces, and three colored squares on each of its four side faces.

Unlike the traditional 3x3 cube, the Rubik's Edge has a simpler mechanism where only the corner-like pieces (edges of the 3x1 structure) can change positions, resulting in fewer possible variations and an easier solving experience.



Image 1.1: The Rubik's Edge 3x1 Cube as packaged, showing the challenge level and original Rubik's product branding.

2. SETUP

The Rubik's Edge 3x1 Cube comes pre-assembled and ready for use. No additional setup or assembly is required.

2.1 What's in the Box

- 1 x Rubik's Edge 3x1 Cube

2.2 Initial State

When solved, the cube will display a single color on each of its six faces. The top and bottom faces typically feature white and yellow, while the side faces display green, orange, blue, and red. The central piece on each side is fixed, and the outer pieces rotate around it.

3. OPERATING THE RUBIK'S EDGE 3x1 CUBE

The objective of the Rubik's Edge 3x1 Cube is to twist and turn the layers until each face of the cube displays a solid color. This puzzle is designed to be straightforward, making it ideal for learning basic cube manipulation.

3.1 Basic Movement

Hold the cube firmly. The cube consists of a central fixed piece and movable outer pieces. You can rotate the outer sections of the cube. The goal is to align the colors on each face.



Image 3.1: A user's hands demonstrating the twisting motion of the Rubik's Edge 3x1 Cube to mix or solve colors.

3.2 Solving Strategy

Since the Rubik's Edge is a one-layer puzzle, the solving process is intuitive:

1. **Identify a Face:** Choose one face to start with, for example, the white face.
2. **Align Colors:** Rotate the outer sections of the cube to bring all the white pieces to the chosen face.
3. **Match Sides:** Once one face is solved, observe the adjacent faces. Continue rotating the sections to align the colors on the side faces. Because of its simple design, aligning one face often leads to the quick alignment of others.
4. **Practice:** The key to solving is practice and understanding how each turn affects the pieces. Experiment with different rotations.



Image 3.2: A comparison showing a solved Rubik's Edge cube next to one being actively manipulated, illustrating the goal of the puzzle.

4. MAINTENANCE

The Rubik's Edge 3x1 Cube requires minimal maintenance to ensure its longevity and smooth operation.

4.1 Cleaning

To clean the cube, gently wipe its surfaces with a soft, dry, or slightly damp cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the plastic and the colored stickers.

4.2 Storage

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

4.3 Lubrication (Optional)

If the cube's movements become stiff over time, a small amount of silicone-based lubricant designed for puzzles can be applied to the internal mechanisms. Avoid oil-based lubricants, as they can damage the plastic.

5. TROUBLESHOOTING

Most issues with the Rubik's Edge 3x1 Cube are minor and can be resolved easily.

5.1 Stiff Movement

If the cube feels stiff, ensure no debris is lodged between the pieces. If the issue persists, consider applying a small amount of puzzle-specific silicone lubricant as described in the Maintenance section.

5.2 Pieces Detaching

In rare cases, a piece might detach. The Rubik's Edge is designed to be robust, but if a piece comes off, it can usually be reattached by carefully aligning it with the internal mechanism and gently pressing it back into place. If the cube appears to have a manufacturing defect, please refer to the Support section.



Image 5.1: An exploded view of the Rubik's Edge 3x1 Cube, showing its internal components and how pieces fit together.

6. SPECIFICATIONS

Brand	Rubik's
Model Number	6063989
Item Dimensions (L x W x H)	3.5 x 1.25 x 6.75 inches
Item Weight	2.4 ounces
Material	Plastic
Color	Multicolour
Skill Level	Beginner
Educational Objective	Memory Capacity, Motor Skills, Problem Solving Skills
Recommended Age	6+ years
Operation Mode	Manual

7. WARRANTY INFORMATION

Specific warranty details for the Rubik's Edge 3x1 Cube are not provided in this manual. For information regarding product warranty, please refer to the packaging or contact the manufacturer directly.

8. CUSTOMER SUPPORT

For further assistance, questions, or to report any issues with your Rubik's Edge 3x1 Cube, please visit the official Rubik's website or contact Spin Master customer service. Contact information can typically be found on the product packaging or the manufacturer's official website.

Manufacturer: Spin Master

You can often find support resources and FAQs on the Official Rubik's Website.