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› GAN 354 M v2 Magnetic Speed Cube Instruction Manual

GAN GAN 354 M v2

GAN 354 M v2 Magnetic Speed Cube Instruction Manual

INTRODUCTION

Welcome to the instruction manual for your new GAN 354 M v2 Magnetic Speed Cube. This guide provides essential information on the features, setup, operation, and maintenance of your cube to ensure optimal performance and longevity. The GAN 354 M v2 is designed for speedcubers seeking a compact, high-performance 3x3 magnetic puzzle.

SAFETY INFORMATION

Warning: Not suitable for children under 36 months due to small parts which may present a choking hazard.

PRODUCT OVERVIEW AND KEY FEATURES

The GAN 354 M v2 incorporates several advanced features for an enhanced cubing experience. Below are the primary components and design elements:

GAN MAGNET CAPSULE (GMC)



Any question about the product, please e-mail us to solve.



No hand positioning, glued magnets any more because of the innovated magnet positioning technology-GMC.

Figure 1: The GAN 354 M v2 Magnetic Speed Cube, fully assembled.

Core Upgrades

- **Plastic Core:** The core has been upgraded to a lightweight and stable plastic material.
- **Numerical GES Tuning:** Tension adjustment is now numerical, allowing precise settings (e.g., 0.6 or 0.8) without additional tools.



Figure 2: Illustration of the upgraded Airfoil Ganscore and Numerical Nut for precise tension adjustment.

Magnetic System

- **48 Visible Magnet Capsules:** The cube features 48 integrated magnet capsules, eliminating the need for manual magnet positioning or gluing.

The upgraded airfoil Ganscore and numerical nut

Numerical Nut



Figure 3: Detailed view of the GAN Magnet Capsule (GMC) system within the cube pieces.

Design and Performance

- **Compact Size:** At 54mm, the cube offers a comfortable and compact feel, ideal for one-handed solving and users with smaller hands.
- **Honeycomb Touchface:** The inner honeycomb surface design reduces friction and helps retain lubrication, contributing to a smooth and stable feel.
- **Anti-Pop and Anti-Twist:** Specially designed edge and corner feet enhance stability, preventing pieces from popping out or twisting during solves.
- **Non-Valving Design:** High-strength clips ensure stable lockup between all pieces, preventing deformation.



Figure 4: The compact 54mm size of the GAN 354 M v2, designed for comfortable handling.



Non-valving design
with high strength,
stable lockup joining
between all pieces.



Corner Pieces

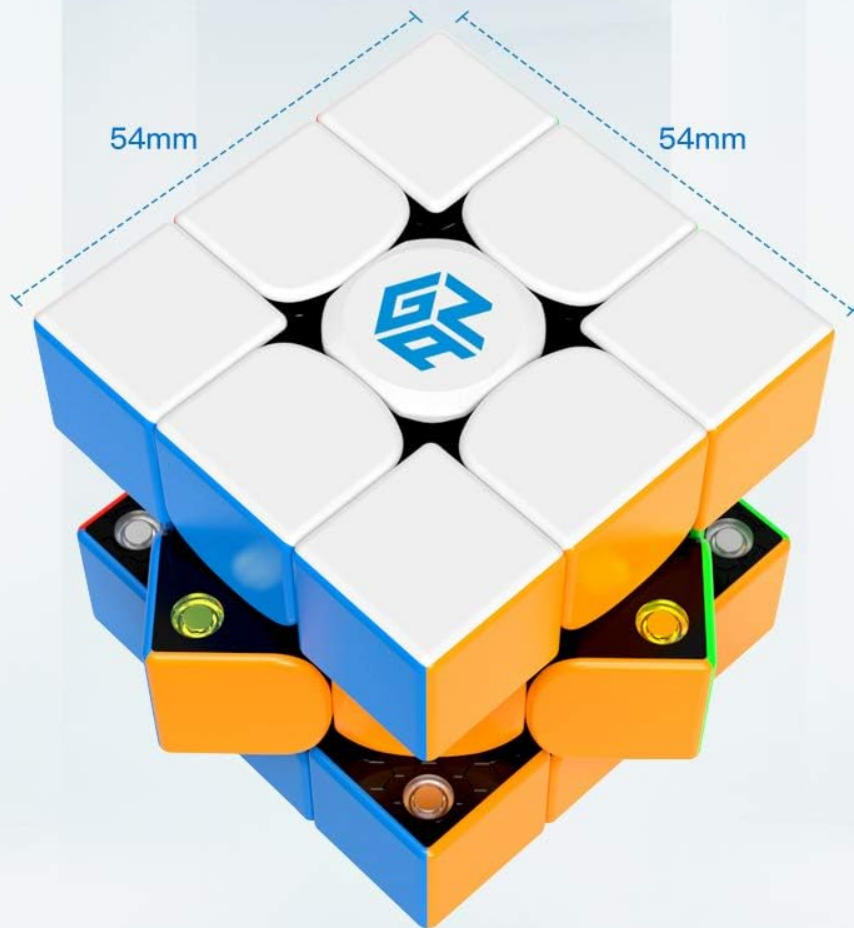
High strength clips lockup, no deform under press, hidden clips joints.



Edge Pieces

Strengthened GAN Magnets Capsule(GMC), increased stability.

Figure 5: Close-up of the honeycomb touchface, edge feet, and corner feet designs for improved performance.



Specially designed for One-Handed cubers and cubers with small hands.

Figure 6: Internal structure showing the non-valving design and high-strength clips for stable piece lockup.

SETUP AND ADJUSTMENT

Tension Adjustment (GES Numerical Tuning)

The GAN 354 M v2 features a numerical GES (GAN Elasticity System) for tension adjustment. This system allows you to precisely set the cube's tension to your preference without needing external tools. Simply rotate the numerical nut to select your desired tension level, such as 0.6 or 0.8, to achieve a looser or tighter feel.

Magnetic System

The cube comes with 48 pre-installed magnet capsules (GMC) that provide a tactile and stable turning experience. No further adjustment or installation of magnets is required. The magnets assist in aligning layers and provide a satisfying click during turns.

OPERATING INSTRUCTIONS

Basic Handling

Hold the cube firmly but gently. Practice turning each face (U, D, L, R, F, B) and middle layers (M, E, S) to familiarize yourself with the cube's movement. The smooth turning and magnetic feedback are designed to facilitate quick and precise maneuvers.

Solving Methods

The GAN 354 M v2 is a standard 3x3 speed cube. Various solving methods exist, from beginner-friendly approaches to advanced techniques like CFOP (Cross, F2L, OLL, PLL). Your product includes GAN's CFOP Tutorial to help you learn or improve your solving skills.

Your browser does not support the video tag.

Video 1: Feliks Zemdegis demonstrating the GAN 354 M. This video showcases the cube's speed and handling during a solve.

MAINTENANCE

Lubrication

The inner honeycomb surface of the GAN 354 M v2 is designed to reduce friction and distribute lubricant evenly. For optimal performance, apply a small amount of speed cube lubricant to the internal contact surfaces periodically. Avoid over-lubricating, as this can make the cube feel sluggish.

Cleaning

To clean your cube, gently wipe the exterior surfaces with a soft, dry cloth. If dust or debris accumulates inside, carefully disassemble the cube (refer to online guides if unfamiliar) and clean the internal pieces with a soft brush or cloth. Ensure all pieces are dry before reassembly.

TROUBLESHOOTING

Cube Feels Loose or Too Tight

Adjust the numerical GES tuning system. Rotate the numerical nut to a higher number for a tighter feel or a lower number for a looser feel. Experiment with different settings to find your preferred tension.

Pieces Popping Out or Twisting

The GAN 354 M v2 is designed with anti-pop and anti-twist features. If pieces still pop out, ensure the cube's tension is not excessively loose. If twisting occurs, verify that all pieces are correctly assembled and not damaged. If issues persist, consider slightly tightening the tension.

Grinding or Catching

This can often be resolved by applying fresh lubricant. If the issue persists, check for any foreign debris inside the cube or inspect pieces for damage or wear that might be causing friction.

SPECIFICATIONS

Feature	Detail
Brand	GAN

Feature	Detail
Model Number	GAN 354 M v2
Puzzle Type	3x3 Speed Cube
Dimensions	54mm x 54mm x 54mm (approx. 2.1 x 2.13 x 0.04 inches)
Weight	Not specified, designed to be lightweight
Material	Plastic, Magnets
Magnetic System	48 Magnet Capsules (GMC)
Tension System	Numerical GES Tuning
Recommended Age	72 months (6 years) and up
Skill Level	Expert

WHAT'S IN THE BOX

Upon opening your GAN 354 M v2 package, you should find the following items:

- 1 x GAN 354 M v2 Magnetic Speed Cube
- 1 x GAN's CFOP Tutorial Guide



Non-valving design
with high strength,
stable lockup joining
between all pieces.



Corner Pieces

High strength clips lockup, no deform under press, hidden clips joints.



Edge Pieces

Strengthened GAN Magnets Capsule (GMC), increased stability.

Figure 7: The GAN 354 M v2 cube along with its included CFOP tutorial.

WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your GAN 354 M v2 Magnetic Speed Cube, please contact GAN customer service. Refer to the packaging or the official GAN website for specific warranty details and contact information.