



GAN14 Maglev Pro USER MANUAL

Thanks for choosing the GAN cubes.

GAN cube has earned its name in speedcubing by its beastly performance and state-of-the-art quality. The omnidirectional core positioning 4.0 system carried by GAN14 series not only successfully realizes the hybrid propulsion of magnetic attraction and repulsion, but also realizes the comprehensive digital debugging of wheelbase, elastic force and magnetic force. You can find an ultimate and exclusive hand-feel and unleash your ultimate talents with the top-notch performance and thousands of customized adjusting options.

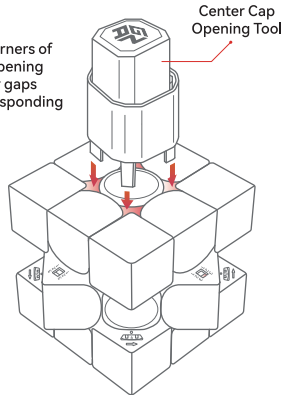
Let the GAN cube unleash your speed.



Video Instruction of Tension & Magnet Adjustment

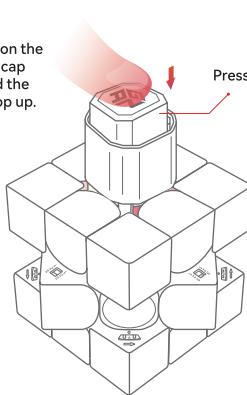
Step 1:

Place the four corners of the center cap opening tool into the four gaps next to the corresponding center piece.



第二步:

Press the button on the top of the center cap opening tool, and the center cap will pop up.



GAN Adjustment Systems (GES & GMS) 1296 customization options made effortlessly available

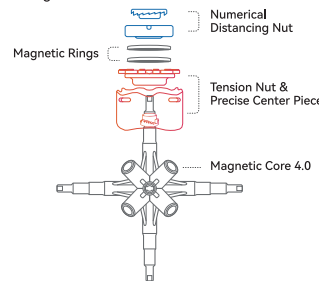
The key factors that determine how your cube feels

	Meaning	Function	Adjustment	Setting Levels
Center Travel	The distance of the center piece is allowed to move up and down along the core when turning	Decides the key performance parameters like Corner cutting& Anti-Pop	Magnetic GESv3	6 settings
Tension	The tightness of the sides being compressed to the core	How tight the cube feels when turning	Magnetic GESv3	6 settings
Magnet Strength	The strength of magnetic interaction when turning	The strength of positioning felt when turning	GMS v6	Magnet Strength between Corner piece and Edge piece: 3 settings Magnet Strength between Corner piece and the Core: 12 settings

Magnetic GES v3

6 center travel settings & 6 tension settings

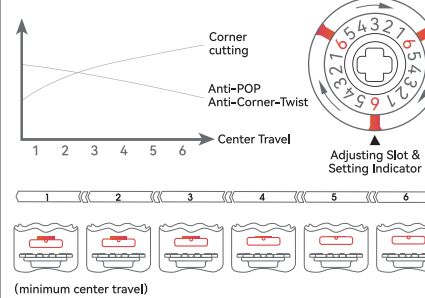
GAN14 Maglev Pro is equipped with the UNIQUE Magnetic GES v3, which helps the GAN cube adjust the Center Travel and Tension by adjusting the numerical distancing nuts and Magnetic rings.



Magnetic GES v3: Center Travel (Numerical Distancing Nut)

1/2/3/4/5/6:

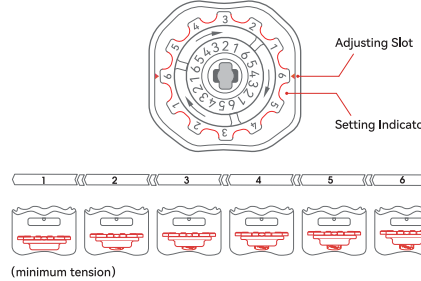
6 center travel options, the smaller the number, the tighter the cube feels.



Magnetic GES v3: Tension (Tension Nut & Precise Center Piece)

1/2/3/4/5/6:

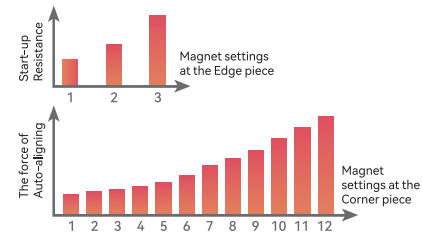
6 tension options, the bigger the number, the tighter the cube feels.



GMS v6

3 different magnet settings between Corner piece and Edge piece
12 different magnet settings between Corner piece and the Core

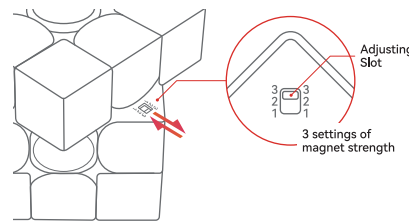
GAN14 Maglev Pro adopts brand-new magnet positioning system, where the GAN's magnet core provides major magnet force, cooperating with magnet forces from edge and corner pieces. The new magnet positioning system provides the GAN14 a perfect combination of low start-up resistance and unprecedented stable magnetic output while turning.



GMS v6: Magnet Strength between Corner piece and Edge piece

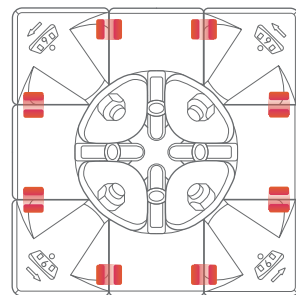
Magnet adjustment between Corner piece and Edge piece is operated at the 12 corner pieces with 3 different magnet settings.

The smaller the number, the weaker the magnet strength.



Schematic diagram of magnetic force distribution between the Corner pieces and the Edge pieces

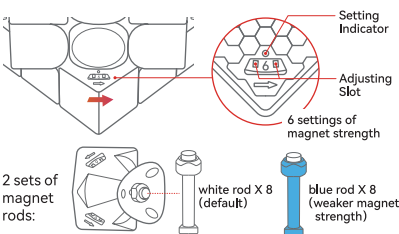
Top view



GMS v6: Magnet Strength between Corner piece and the Core

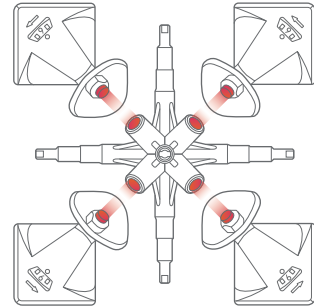
Magnet adjustment between Corner piece and the Core is operated at the 8 corner pieces with 6 different magnet settings. It can also adjust the magnet strength by changing 2 different sets of magnet rods.

the smaller the number, the weaker the magnet strength.



Schematic diagram of magnetic force distribution between the Corner pieces and the Core

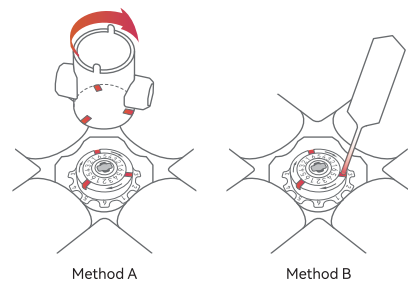
As shown in the figure



Set up steps

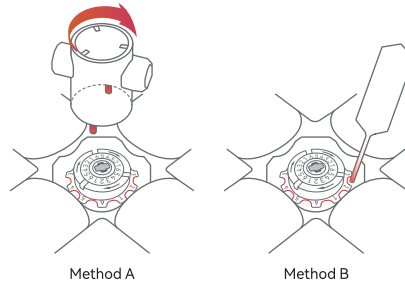
Step 1 : Center Travel Adjustment

Put the tool into the adjusting slot and then toggle the numerical distancing nut clockwise to adjust the center travel. You will feel a click with every turn as the nut moves.



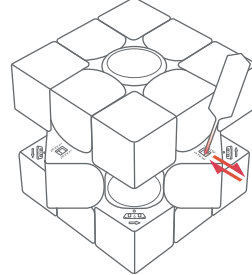
Step 2 : Tension Adjustment

Put the tool into the adjusting slot and then toggle the magnetic tension nut clockwise to adjust the tension. You will feel a click with every turn as the nut moves downward.



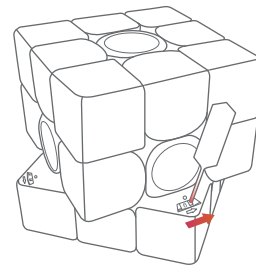
Step 3 : Magnet Adjustment

Magnet Strength between Corner piece and Edge piece:
Turn the middle layer 45° to expose the magnet slots on the edge pieces. Using the adjusting tool to toggle the lever to the target setting.



Magnet Strength between Corner piece and the Core:

① Standard Adjustment (NO disassembling required)
Turn the outer layer 45° to expose the magnet slots on the corner pieces. Using the adjusting tool to toggle the lever to the target setting.



② Advanced Adjustment (requires disassembling the cube)
a. start from any one of the corner pieces. Take the corner piece out. Turn the magnet rod 60° counterclockwise to unlock and pull it out from the slot.

① Turn the magnet rod 60°



b. insert the new rod and turn 60° clockwise to lock it. Then repeat the same operation to change the magnet rods on the other corners one by one.

