



## **GAN13 Maglev USER MANUAL**

Thanks for choosing the GAN cubes.

GAN cube has earned its name in speedcubing by its beastly performance, state-of-the-art quality. The omnidirectional core positioning 3.0 system carried by GAN13 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. The adjustability is greatly improved, which is sufficient to adapt to different cubers' turning styles and hand-feel preferences.

Let the GAN cube unleash your speed.

## GAN Adjustment Systems (GES & GMS)

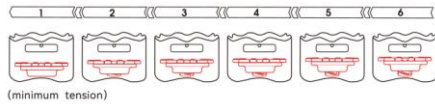
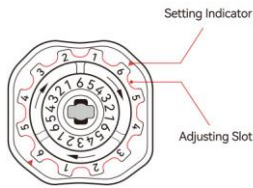
216 customization options made effortlessly available

The key factors determining how your cube feels

	Meaning	Function	Adjustment	Setting Levels
<b>Center Travel</b>	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 GES v2	6 settings
<b>Tension</b>	The tightness of the sides being compressed to the core	How tight the cube feels when turning	Magnetic GES v2	6 settings
<b>Magnet Strength</b>	The strength of magnetic interaction when turning	The strength of positioning felt when turning	GMS v5	6 settings

Note: GMS v5 is available in GAN13 Maglev only.

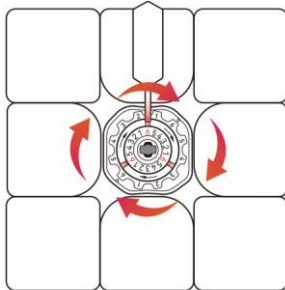
**Magnetic GES v2 : Tension (Tension Nut & Precise Center Piece)**  
Each turn clockwise increases the tension by one grade.



### Set up steps

#### Step 1 : Center Travel Adjustment

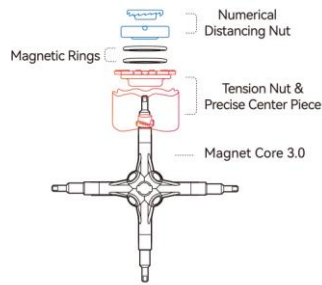
Put the tool into the adjusting slot and then toggle the numerical distancing nut clockwise to adjust the center travel. You will feel a click with every turn as the nut moves.



## Magnetic GES v2

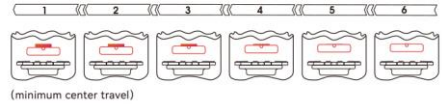
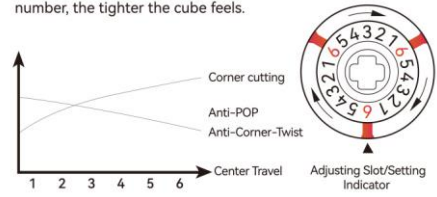
6 center travel settings & 6 tension settings

GAN13 Maglev is equipped with Magnetic GES v2 which is unique to GAN cubes and can adjust the center travel and tension by adjusting the numerical distancing nut and magnetic rings.



**Magnetic GES v2 : Center Travel (Numerical Distancing Nut)**

Center Travel :  $1 < 2 < 3 < 4 < 5 < 6$   
6 center travel options, the smaller the number, the tighter the cube feels.



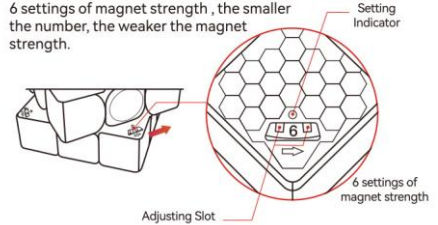
## GMS v5

Fast switching between 6 different magnet settings

GAN13 Maglev adopts a brand-new magnet positioning system, with the GAN's magnet core providing the major magnet force, compensated by magnets between the edge & corner pieces. It gives the cube a perfect combination of low start-up resistance and unprecedented stable magnetic output when turning. Magnet adjustment is operated at the 8 corner pieces with 6 different magnet settings.

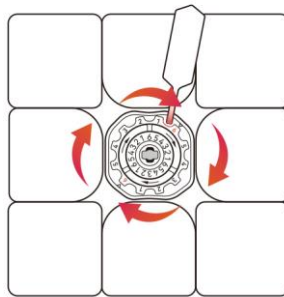
Magnet Strength :  $1 < 2 < 3 < 4 < 5 < 6$

6 settings of magnet strength, the smaller the number, the weaker the magnet strength.



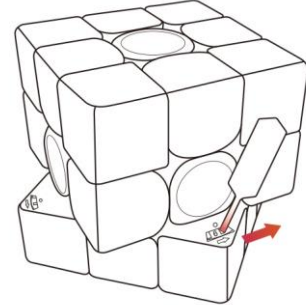
#### Step 2 : Tension Adjustment

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

Turn the outer layer 45° to expose the magnet slots on the corner pieces. Use the adjusting tool to toggle the lever to the desired setting.



## Video Instruction

Tension & Magnet Adjustment



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