



GAN11 系列 弹力与磁力系统 调试教程



关注 GAN 微信公众号
获取魔方知识 体验竞速之趣

谢谢你选中这只 GAN 魔方。

GAN 魔方，成为专业竞速魔方的担当，不仅在于极致的性能设计、精湛的工艺水平，更在于它的适调性。

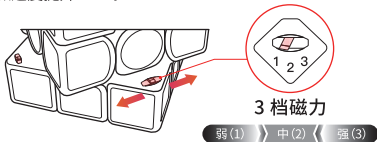
我们认为，能适应不同玩家的偏好是一只专业魔方的基本修养，而不是让玩家去适应魔方。所以我们不断提升 GAN 魔方的可调性。

在 GAN11 系列中，轴距、弹力、磁力……每一个决定手感的因素处处可调，轻快而精准。每个玩家，不论速度如何，都值得一只完美贴合个人偏好的魔方。让 GAN 魔方成为你得心应手的爆速伙伴。

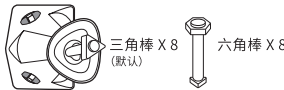
GAN 磁力系统 v3(GMS v3)

6 档磁力极速调试

GAN11 系列采用颠覆性的全向芯定位磁力系统，以 GAN 磁力轴作为供磁核心，配合棱、角块磁力，赋予魔方低启动阻力、均匀分布的磁力感。磁力调试在 8 个角块上进行，调磁速度提升 70%。



2 组磁力棒



GAN 调试系统 (GES & GMS)

轻松实现 168 种数字化个性调试

决定魔方手感的三要素

	定义	功能	调试组件	可调档位
轴距	魔方中心块可上下移动的范围	决定魔方的容错、易容、防Pop等关键性能	GES PRO	4档
弹力	压制魔方各面的力度大小	魔方的松紧手感	GES PRO	6级
磁力	魔方转动时各层相互吸引的强度	转动时魔方的定位感大小	GMS v3	6档(以及无角轴磁力模式)

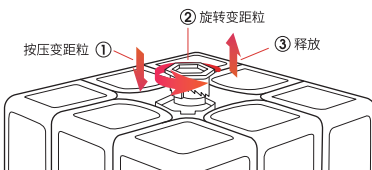
注：GMS v3 磁力系统仅 GAN11 M Pro 支持。

调试步骤

第一步：轴距调试(无需工具)

① 档位调试

从 4 角凹槽处打开中心盖；按压变距粒到底，保持并旋转变距粒，使目标档位对准轴端指针后释放卡定。



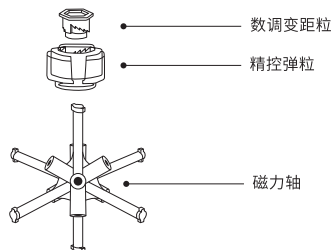
② 更换变距粒

旋转变距粒至 0 位对准轴端指针处取出，装入新变距粒进行调试即可。

GAN 双精控系统 (GES PRO)

4 档轴距徒手数调、6 档弹力精准调试

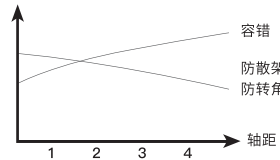
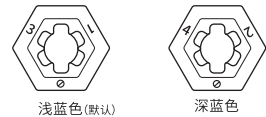
GES PRO 是 GAN 独有的双精控系统，能实现轴距、弹力的分别精调。徒手调试数调变距粒即可实现轴距调试，轻松旋转精控弹粒即可改变弹力大小。



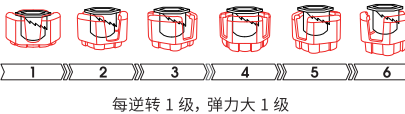
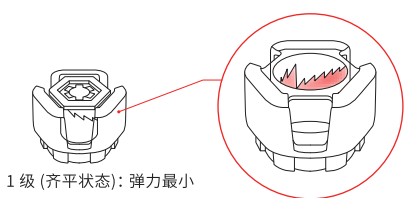
轴距：GES PRO - 数调变距粒

2 组变距粒、4 档轴距

Ø：装取位置。轴端卡针对准此处，取出/装入。
1/2/3/4：代表 4 档轴距。

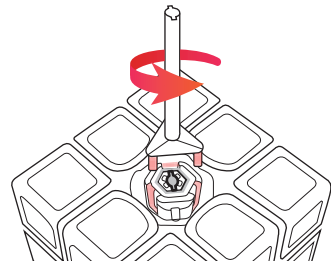


弹力: GES PRO - 精控弹粒



第二步：弹力调试

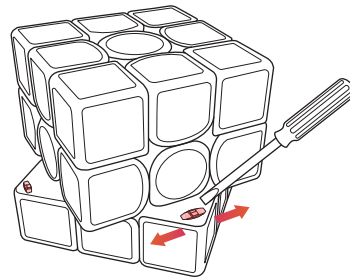
将弹控棒对准精控弹粒三边槽口插入，逆时针旋转弹粒，每到达一级会有明显卡定感。



第三步：磁力调试

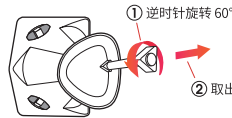
① 标准磁力调试(无需拆装魔方)

转动底层 45°，露出角块变磁档位；用小螺丝刀拨动变磁杆至目标档位。

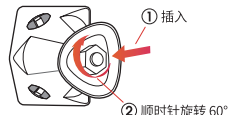


② 高级磁力调试(需拆装魔方, 请谨慎操作)

a. 拆出任一角块。逆时针转动磁力棒 60° 解除卡定后将其取出。



b. 装入新的磁力棒，顺时针转动 60° 卡定，将角块装回魔方。逐一拆装每个角块进行磁力棒更换。





GAN11 Series Elasticity and Magnet System Instruction



Follow GANCUBE on Instagram
for more speedcubing stuff

Thanks for choosing the GAN cubes.

GAN cubes has earned its name in speedcubing, not only because it's beastly performance, state-of-the-art quality, but also its customizability.

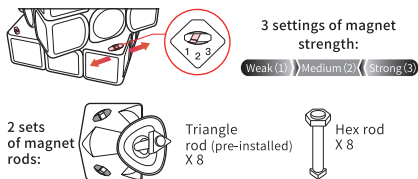
We believe that every cuber, fast or not, deserves a cube that fully adapts to his or her turning style, not the other way around—letting the cuber adapt the cube. So we keep enhancing the customizability of our cubes.

In this newest GAN 11 series, Center travel, Tension, Magnet strength... everything that determines a cube's hand-feel is now fully adjustable in a convenient and precise fashion. Let the GAN cube unleash your speed.

GAN Magnetic System (GMS v3)

Fast switching between 6 different magnet settings

GAN11 series adopts a brand-new magnet positioning system, with the GAN's magnet core providing the major magnet force, compensated by magnets between edge & corner pieces. It gives the puzzle a perfect combination of a low start-up resistance and an unprecedented even magnet at turning. Magnet adjustment is operated at the 8 corner pieces with tuning efficiency up by 70%.



GAN Adjustment Systems (GES & GMS)

168 customization options made effortlessly available

The key factors determining how your cube feels

	Meaning	Function	Adjustment	Setting Available
Center Travel	The distance 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	GES PRO	4 settings
Tension	The tightness of the sides being compressed to the core	How tight the cube feels when turning	GES PRO	6 setting
Magnet Strength	The strength of magnetic attraction when turning	The strength of positioning felt when turning	GMS v3	6 settings (and a special mode without center-edge magnet)

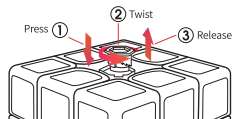
Note: GMS v3 is available in GAN11 M Pro only.

Set up steps

Step 1: Center Travel Adjustment (no tool needed)

1 Changing settings

Open the center cap from one of the easy-opening groove at the corners of the cap. Push the distancing nut down and twist it, until the desired number lines up with the anchor at the tip of the core, release so the anchor locks up the nut.



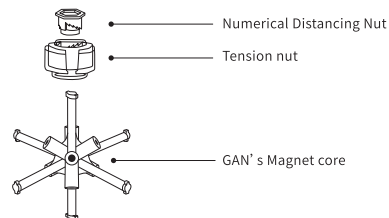
2 Swapping the nut

Push the nut down and twist it until the 0 point lines with the anchor, release and the nut unlocks and can be removed.

GAN Dual Precision System (GES Pro)

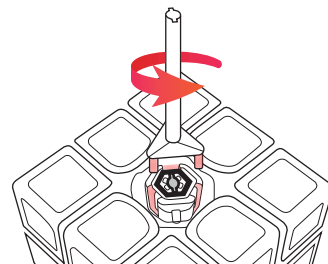
4 center travel settings & 6 tension setting adjusted in the blink of an eye

The GAN Elasticity System (GES Pro) unique to GAN cubes enable separate control & adjustment of center travel & tension. Adjust center travel by the center numerical distancing nut with bare hands, and tension by adjusting the tension nut.



Step 2: Tension Adjustment

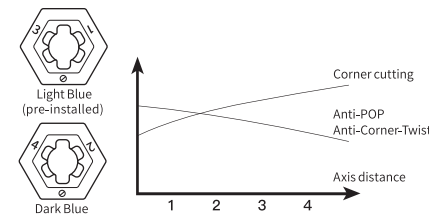
Insert the tool into the GES nut from the 3 matching slots. Then turn counter-clockwise to increase the tension. You will feel and hear a click with every turn as the nut moves downward.



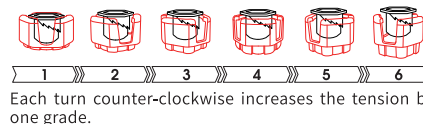
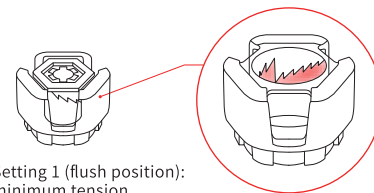
Center Travel: GES PRO-Numerical Distancing Nut

2 sets of Numerical Distancing Nuts enabling 4 settings of Center Travel

0 : in and out position. Only when the pointer is resting here can you take out or put in a tension nut. 1/2/3/4 : 4 different axis distances.



Tension: GES PRO-Tension Nut

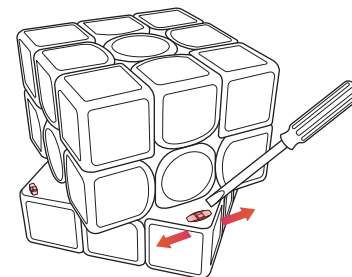


Each turn counter-clockwise increases the tension by one grade.

Step 3: Magnet Adjustment

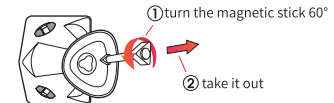
1 Standard Adjustment (No disassembling required)

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



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

