

GANCUBE
GAN15 NewBlack
调试说明书

谢谢你选中这只GAN魔方

GAN15 系列黄金手感的另一重演绎 —— GAN15 NewBlack, 秉承结构、磁力和重量三角基于黄金平衡的设计理念, 首度搭载汽车级别的 SMOOTH BLACK 超顺滑材料, 少摩擦震, 顺滑新生; 更以专属中心块稳速弹簧, 成就手感上的绝稳操控。如此黑核先锋, 带你直抵全新境界。



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GAN调试系统(GES&GMS)

轻松实现108种数字化个性调试

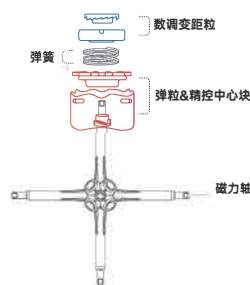
决定魔方手感的三要素

	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+	6挡
弹力	压制魔方各面的力度大小	魔方的松紧手感	GES Pro+	6挡
磁力	魔方转动时各层相互作用的强度	转动时魔方的定位感大小	GMS v7	3挡 角轴磁力

GAN弹力系统(GES Pro+)

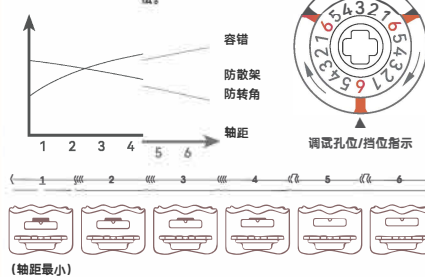
6挡轴距 & 6挡弹力数字精准调试

GAN15 NewBlack采用的GES Pro+ 系统是GAN独创的双精控系统, 可通过旋转数调变距粒、弹粒分别实现轴距、弹力数调。



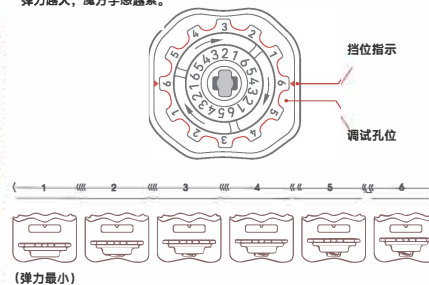
GES Pro+: 轴距 (数调变距粒)

1/2/3/4/5/6:
6挡轴距, 数字越大,
轴距越大, 魔方手感越松。



GES Pro+: 弹力 (弹粒&精控中心粒)

1/2/3/4/5/6:
6级弹力, 数字越大,
弹力越大, 魔方手感越紧。



GAN磁力系统(GMS v7)

GAN15 NewBlack 搭载 GAN 首创的全向芯定位磁力系统, 以 GAN 磁力轴为供磁核心, 配合棱块、角块、中心块磁力, 在为魔方注入强大性能的同时, 提供极致舒适的均匀磁感。

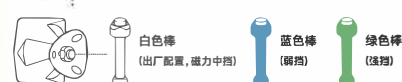
精控弹粒, 30° 自动归位

GAN15 NewBlack 集弹簧弹力、轴心磁力和块间磁力于一身, 实现了弹簧弹力和磁吸的双驱动。在转动中, 它启动弹簧弹力, 降低轴轴阻力; 在即将归位时, 它启动磁吸力, 实现15°-30°自动归位。

3挡磁力调试

GAN15 NewBlack 可更换 3 组角块磁力棒, 实现强、中、弱 3 挡磁力调试。

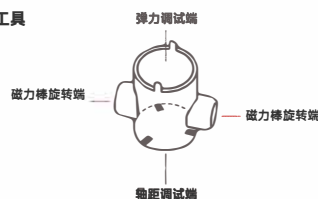
3组磁力棒:



开盖器



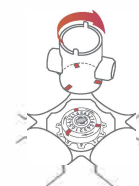
调试工具



调试步骤

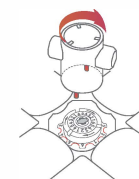
第一步: 轴距调试

将调试工具插入调试孔位, 轻轻下压, 按顺时针方向转动数调变距粒, 每到一挡均有明显卡顿。



第二步: 弹力调试

将调试工具插入调试孔位, 按顺时针方向转动磁环槽, 每到一挡均有明显卡顿。



第三步: 磁力调试(需拆装魔方, 请谨慎操作)

a. 拆出任一角块, 用调试工具逆时针转动磁力棒60°解除卡定后, 直接用手取出。(请勿用工具直接撬拔磁力棒)



b. 装入新的磁力棒, 顺时针转动60°卡定, 将角块装回魔方, 放入新的磁力棒, 顺时针转动60°, 感受到轻微阻力即卡定成功。



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GAN15 NewBlack USER MANUAL

GAN Adjusting Systems(GES&GMS)

108 customization options made effortlessly available

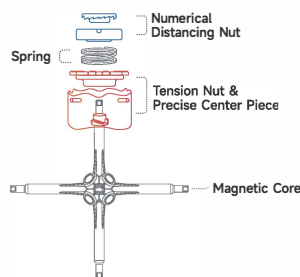
The key factors that determine how your cube feels

	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	GES Pro+	6 settings
Tension	The tightness of the sides being compressed to the core	How tight the cube feels when turning	GES Pro+	6 settings
Magnet Strength	The strength of magnetic in reaction when turning	The strength of positioning felt when turning	GMS v7	Magnet Strength between Corner piece and the core: 3 settings

GES Pro+

6 center travel setting & 6 tension settings

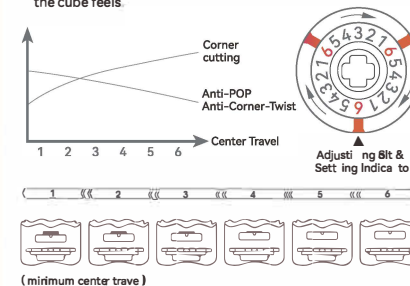
GAN15 NewBlack is equipped with the UNIQUE Magnetic GES Pro+, which helps the GAN cube adjust the Center Travel and Tension by adjusting the numerical distancing nuts and Tension Nut.



GES Pro+: Center Travel (Numerical Distancing Nut)

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

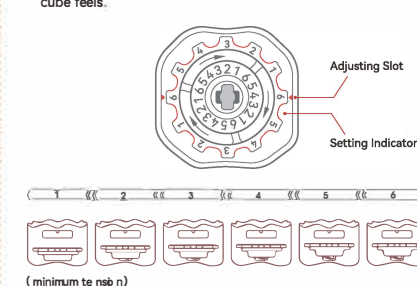
6 center travel options, the smaller the number, the tighter the cube feels.



GES Pro+: Tension (Tension Nut & Precise Center Piece)

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

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



Thank you for choosing this GAN cube.

GAN15 NewBlack, another interpretation of GAN15 lines' golden hand feel and golden trilogy design of structure, magnet and weight. This is the first Gancube product adopting an automobile-grade SMOOTH BLACK material, which reduces friction to give a brand new smooth experience and enables an absolute control of steady twists with the smoothing springs of NewBlack's special center pieces. Such a cutting-edge SMOOTH BLACK hardcore cube can bring you to next level for sure.



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GAN Magnetic System (GMS v7)

The GAN15 NewBlack is equipped with GAN's proprietary omnidirectional magnet positioning system. With a magnetized core at the center coordinating the edge and corner piece magnets, the cube offers not only unprecedented strong performance but also an ultra-smooth tactile feel.

Precise control of magnets. 30° of self-alignment

GAN15 NewBlack realizes the dual drive of tension power and magnetic power due to its springs, core and pieces. It reduces friction and resistance in the core with tension power and self-aligns in 15°-30° with magnet attraction power.

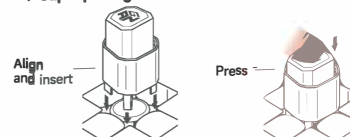
Three-level magnetic force adjustment

GAN15 NewBlack comes with 3 sets of magnet rods to accommodate different magnetic strength preferences.

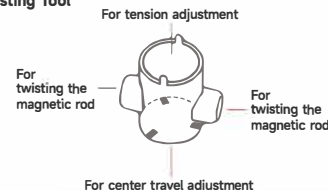
3 sets of magnetic rods:



Center Cap Opening Tool



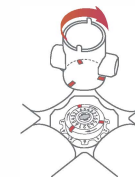
Adjusting Tool



Set up Steps

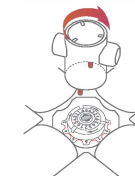
Step 1: Center Travel Adjustment

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

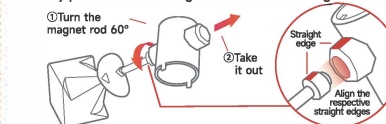
Put the tool into the adjusting slot and then toggle the magnetic tension nut clockwise to adjust the tension. You will feel a click with every turn as the nut moves downward.



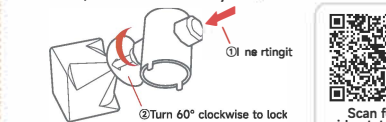
Step 3: Magnetic Adjustment

(requires disassembling the cube, be careful)

a. Remove a corner piece. Turn its magnet rod 60° anticlockwise with the tuning tool to unlock it, and take it out by hand. (Please do NOT directly pull out or insert magnet rods with the tuning tool.)



b. Insert the new rod and turn 60° clockwise. When you feel slight resistance, the rod is successfully fixed.



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