GAN
GANCUBE

GAN356 i 3
User Manual

Thank you for choosing the GAN Smart Cube

Read carefully before getting started

1. The product contains a built–in motion tracking system to record moves on each side. DO NOT swap the center caps of each side.
2. DO NOT bend the core when adjusting tension, in case of damaging the internal circuit.
3. The FIRST charging time should be more than 1.5 hours. To charge the cube, ensure that the LOGO side is facing upwards.

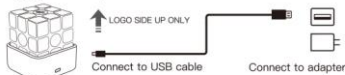* Keep manual well for future reference.

ACCESSORIES

Smart Cube ×1 Charging stand ×1 Screwdriver ×1 VIP Card ×1

USB cable ×1 Springs set ×2 Nut cap ×2 GAN Bag ×1

SPECIFICATIONS

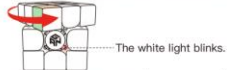| Model	GAN356 i 3	Product size	56×56×56mm
Product weight	About 88g	Battery type	3.7V lithium
Charging time	About 1.5h	Battery life	About 15h*
USB adapter	≤5V 2A	Connection	Wireless
Device requirement	IOS 9.0 Android 4.4 or above		

* Lab test data. Actual battery life subject to actual usage.

GETTING STARTED

1. Put the cube into the charging stand and press it, LOGO SIDE UP ONLY. Connect the charging stand to a power source as shown.

LOGO SIDE UP ONLY

Connect to USB cable   Connect to adapter

2. After charging 1.5h, turn any side of the GAN356 i 3 to awake it. (The white light will blink for 20 seconds when successful awakening.)

The white light blinks.

3. Download and install APP "Cube Station". Enable your smart phone's Bluetooth function and open the APP; Connect the cube per instructions in the APP
* Battery level will show in APP once connected

MAGNET ADJUSTMENT

GAN356 i 3 is the first smart cube in the world which owns variable magnet. It adopts a brand–new magnet positioning system (GMS v4) that can adjust the magnet strength by adjusting the distance between the corner piece and edge piece. The larger the distance, the smaller the magnetic strength can be provided. Magnet adjustment is operated at the 12 edge pieces with 7 different magnet settings.

7 settings of magnet strength:

Setting1 (flush position): maximum magnet strength

Special notice:
There is still some space for magnet adjustment after the seventh grade, please DO NOT continue to rotate in case of damaging the structure of magnet adjustment.

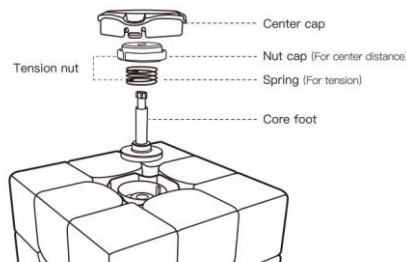Each turn clockwise decreases the magnet strength by one grade.

Set up instruction：

Turn the top layer 45˚ to expose the magnet slots on the edge pieces. Use the screwdriver to turn the magnet clockwise to the desired setting.

BASIC CUBE STATUS/FUNCTION*

Cube Status/ Function	Status/Function Instruction	Operation	Light Indicator (on the white side)
Awaken	The cube can connect to Bluetooth devices when in awaken mode.	Turn any side of the cube.	White light blinks.
Sleep	The cube can not connect to Bluetooth devices when in sleep mode.	–The cube will enter sleep mode if no APP connection is made within 60 secs. –When connected to devices, the cube will automatically enter sleep mode after being set aside for 10 mins.	White light off.
Low–battery	The cube will automatically enter sleep mode when battery is low.	Use the charger and USB cable provided for charging only.	Red light blinks.
Disconnect to APP	The cube can only connect to one device at a time. Once connected, the cube can not be detected by another device.	Rotate the white side clockwise for 5 rounds or using "disconnect" option in the APP can disconnect the cube.	White light blinks.
Bind to APP	The cube can only bind to one APP account at a time. Once binded, the cube can not be connected by any other APP accounts.	Rotate the orange side clockwise for 5 rounds or using "Unbind" option in the APP can unbind the cube.	/

*Smart products may have functional differences due to software version upgrade. Specific functions depend on the actual products.

TENSION ADJUSTMENT

1. Open the center cap.
2. Press the tension nut to the bottom and turn the core foot 90˚ to the release position, then take out the tension nut. Release slowly to prevent the spring from popping out.
3. Swap in the new tension nut and set it up properly (reserve step 2 operations).
4. Repeat on other sides.

Center cap

Nut cap (For center distance)

Tension nut

Spring (For tension)

Core foot

TENSION CHOICES

| Tension

Spring① < Spring② < Spring③

| Center Distance

Transparent < Green < Blue

Spring Nut cap	Spring①	Spring②	Spring③
0.5 (Transparent)	2.1N	2.6N	3.2N
0.6 (Green)	2.0N	2.5N (Default Value)	3.1N
0.7 (Blue)	1.9N	2.4N	3.0N

Warning: DO NOT alter the positions of center caps, this will lead to synchronization problems. DO NOT bend the core when adjusting tension, to prevent damage of the internal electrics. Resetting the cube is required after readjusting tension.

Video Instruction of Magnet & Tension Adjustment

TROUBLE-SHOOTING

1. Failure of detecting the cube by APP?

① Ensure the cube has been fully charged.
② Ensure the cube has been awakened.
③ Ensure the cube has not been connected already by another device.
④ Android users please ensure location access has been authorized to the APP.

2. Cube position not synchronized in the APP?

① Reset the cube via "Reset Cube" functions in the APP
② The cube will shut down when battery is low. Charge timely.
③ Gyroscope will accumulate detection bias over time. This is not malfunction. Please adjust cube position in APP from time to time to ensure synchronization.

3. Failure of charging the cube?

① Ensure sides have not been altered from ex-factory positions and white side is facing upwards.
② When battery is too low it takes a few minutes to reach minimum wake-up battery level.
③ Make a whole rotation and put the cube in the charging stand again.

More info & supports: support@gancube.com

MUST KNOWS

Usage restrictions

- The smart cube contains electronic components. To prevent damage, DO NOT dismantle the core.
- DO NOT lube the cube from yellow side.
- DO NOT crash the product. Keep away from water or high temperature(≥60℃).
- Product contains small parts, NOT suitable for children under 36 months.
- Strictly follow manual to avoid product damage or bodily harm.

Battery and Charging

- The red light will be on when the cube is charged through the charging stand, and the more the remaining capacity of electricity, the faster the red light will flash until it becomes yellowish green.
- Use the charger and USB cable provided for charging only. Ensure they are in good condition before connecting to power.
- Product shuts down automatically when battery is low. Please charge the cube appropriately to avoid loss of data.
- Fully charge the cube at least once every 3 months to prevent permanent battery damage. Keep in dry and cool conditions if not in use.

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