

GRAVITY

FUTH

**Instruction
Manual**

Configuration

1. Connect the magnetic power supply; the status light will display in gold, indicating that the device is starting up.
2. Open your phone's WiFi settings and connect to the device hotspot named "GRAVITY_FUTH," as shown in Figure 1.

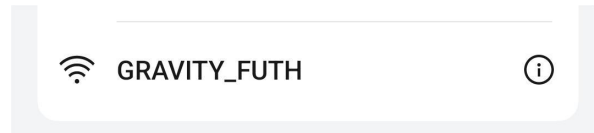


Figure 1

3. After the connection is established, the mobile phone will automatically display the network configuration interface, as shown in Figure 2. Click the "Scan WIFI" button and wait for a moment. The WIFI Name input box will automatically show the scanned WIFI names. You can choose the 2.4G WIFI you want to connect to and enter the password.
4. Click on "Please Select UTC" to choose the time zone of your location.
5. Click the "Save & Connect" button to save your settings.

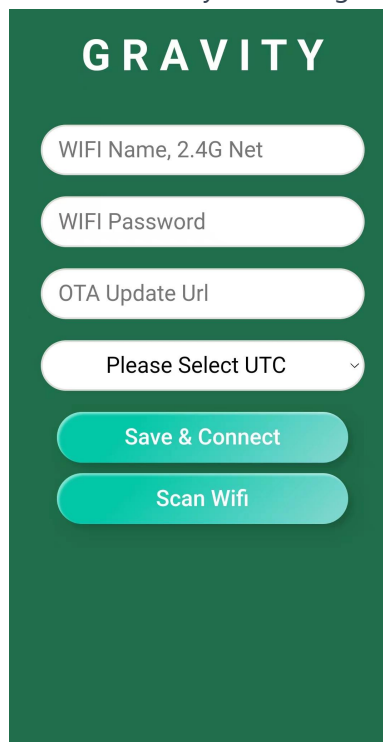


Figure 2

6. If Figure 3 is displayed, it indicates successful saving. The device will restart and initialize automatically.



Figure 3

Operation

1. When the purple light is flashing, it indicates that the device has completed initialization. And you can place the magnetic ball at this time.
 2. Place the protective plate flat on the device surface, ensuring the small circular hole aligns with the 12 o'clock position.
 3. Gently hold the magnetic ball with your right hand, aligning it vertically with the small circular hole, approaching it from a distance, and when approximately 1CM away from the hole, the magnetic ball will be constrained. Then slowly release the magnetic ball at that point to complete the operation.
- (Please notice that you should avoid gripping the magnetic ball too tightly. If the operation is unsuccessful, please take the magnetic ball away and reposition it using the above method, instead of attempting repeatedly in the suspended area.)

Note: For detailed operations, refer to the video

[https://github.com/GRAVITY-ResearchInstitute/GRAVITY_FUTH
/blob/main/video/DemoVideo.mp4](https://github.com/GRAVITY-ResearchInstitute/GRAVITY_FUTH/blob/main/video/DemoVideo.mp4)

Indication

1. The RGB display position is the touch position. You can change the RGB color by touching, each color represents a different state of the device.



Figure 4

RGB Color	Explanation
Red	Hour hand mode
Green	Minute hand mode
Blue	Second hand mode
Gold	Clock initialization startup
Purple	Clock hand returning to zero point
Flashing Purple	Clock hand returned to zero point, waiting for placing ball
Bright or Flashing White	Clock OTA upgrading
Flashing Red	No ball or abnormal ball status

Table 1

Operation	Explanation
Single click	Switch clock hand mode
Double click	Clock hand return to zero point (Need to perform when there is no ball)
Triple click	Clear Wi-Fi information and restart (Need to perform when there is no ball)
Long press	Clock OTA upgrade and restart (Need to perform when there is no ball)

Table 2