

Brillar 001-050  
(GPS+GSM+SMS/GPRS)

**User Manual**

**Version 1.0**

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## 1.Product Introduction:



Brillar Watch

Brillar Watch is the smallest GPS watch tracker in the world, it is designed especially for kids, old person, and Outdoor sports.

The products integrated GPS, GSM and GPRS features with waterproof function. It is able to realize the real-time tracking, emergency alarm, two way voice communication, and workable for outdoor exercise in rain or even in water. We can get to know the exact situation of wearer remotely by PC or mobile phone to take care of your beloved one by the watch at any time anywhere.

Brillar Watch is designed with five different colors respectively are yellow, black, purple, pink and green. Its delicate appearance and comfortable materials bring you and your family to a safer and colorful life.

Before using the watch, pls kindly carefully read the below information, it will help you to operate more efficiently and make the watch work more perfectly.

## 2. Characteristics:

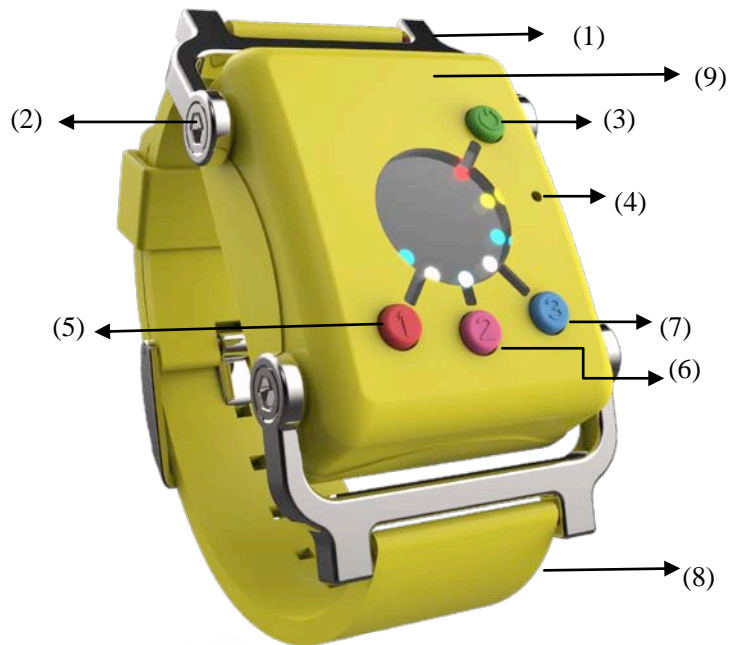
- 1) The smallest size in the world: 40mm\*30mm\*12.5mm.
- 2) Water-resistant.
- 3) Delicate appearance and comfortable materials.
- 4) Real-time tracking.
- 5) Low-power consumption, working time reach 30 hours.
- 6) Two way voice communication.
- 7) Preset three dialing number.
- 8) Build-in G-Sensor for saving the battery.
- 9) LBS positioning when under buildings.
- 10) Build-in flash memory for coordinates storage.
- 11) GEO-Fence alarm.
- 12) Emergency alarm.
- 13) Available for voice mornitoring.

## 3. Specification:

Items	Parameters
GSM Chipset	MTK 6260D
GPS Chipset	MTK 3339
GPS Sensitivity	-163 dBm
GPS Positioning Accuracy	5-25m
GSM Positioning Accuracy	100-500m
Waterproof Level	Water-resistant
Speed Accuracy	0.1m/s
Time Accuracy	Synchronize with GPS
GPS Data	WGS-84
Hot Start	<1s
Warm Start	<38s
Max Altitude	18000m
Max Speed	515m/s
Gravity Acceleration	<4g
Operating Temperature	-20°C—65°C
Humidity	5%—95%
Size	40mm*30mm*12.5mm
Battery	Rechargeable lithium polymer battery 350mAh
Power Supply	3.7V-5V, 0.2A-0.5A
Standby	>48h
Working Duration	>30h

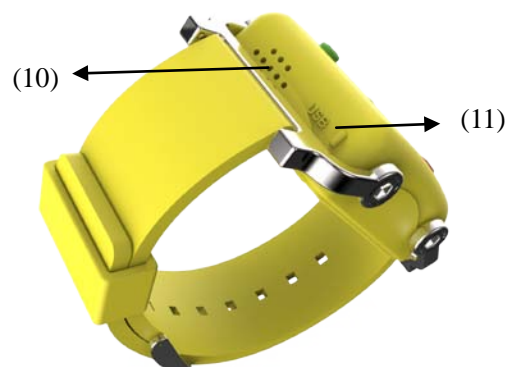
## 4 Interface Description:

### 4.1 Structure details



Picture 1

- (1) Strap Connector
- (2) Connector Fixing Screw
- (3) Power Button
- (4) Microphone Slot
- (5) Dial Number 1
- (6) Dial Number 2
- (7) Dial Number 3
- (8) Watch Strap
- (9) Upper Case

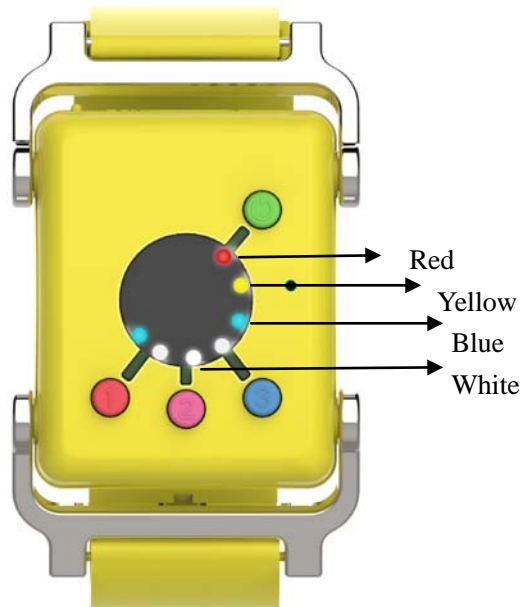


Picture 2

(10)Speaker Net

(11) USB Slot

#### 4.2 LED Lights



Picture 3

Red LED: Charging indicator

Status: Blinking=Charging

Lighting on=Full charged

Yellow LED: GSM signal indicator

Status: Blinking=Getting GSM signal

Lighting off=No GSM signal or without simcard

Blue LED: Indicator for calling from center number

White LED: Indicator for calling out successfully

Power on: All LED will be on till the device powered on

Power off: The LED will flash once anticlockwise

Normal coming call: The LED will flash clockwise till picked up

Center number calling: The two blue LED will flash alternately.

## 5 Configuration

### 5.1 SMS configuration

Function	Command	Notes
Set user information	<b>#NAME#name of user#password#</b> Eg: #NAME#GATOR#000000#	Default password is 000000 Replied SMS: Config OK=Set successfully Config failed=fail to set
Set service number	<b>#SERVICE#number 1#number 2#number 3#000000#</b> Eg: # SERVICE #13512345001#13512345002#13512345003#000000#	When configure OK, pls press SOS key for more than 3S, the device will call to these three numbers in turn, after hanging up, the device will send the location information to these three numbers respectively
Set server information	<b>#SERVER#IP#port#password#</b> Eg: #SERVER# 211.154.139.208#8872#000000#	If you have your own server, pls set your server IP and port.
Set APN	<b>#APN#APN's username#APN's password#password#</b> Eg:#APN#CMNET###000000#	If the APN has no username or password, then we only edit APN in the command like the example.
Set low power alert	<b>#POWER#status number#password#</b> Eg: #POWER#1#000000#  <b>Alert SMS content, eg:</b> Low power alarm from GATOR, the current location is <a href="http://maps.google.com/?q=23.12345,120.12345">http://maps.google.com/?q=23.12345,120.12345</a>	Status number: 1=open the low power alert 0=close the low power alert Default setting is status 1
Set time zone	<b>#TIMEZONE#E/W#HH:mm#</b> Eg: #TIMEZONE#E#05:30#	E=Eastern hemisphere W=Western hemisphere HH=hours Mm=minutes The default time zone is according to GMT+8, Pls set to your time zone
Set interval	<b>#INTERVAL#interval time(unit: s)#password#</b> Eg: #INTERVAL#300#00000#	When it is set ok, the device will upload data to software at the set interval.

		Minimum interval=300s
Set Working mode	<b>#MODE#mode number#password#</b> Eg: #MODE#0#000000#	Mode number: 0=GPRS mode 1=SMS mode
Set Emergency mode	<b>#SOS#password#</b> Eg: #SOS#000000#	When you activated the emergency mode, the device will upload data to server at 10s interval for 5 minutes, then back to the preset interval again.
Check GPS location	<b>#LOCATION#password#</b> Eg: #LOCATION#000000#  <b>Replied SMS content, eg:</b> The current location of GATOR is <a href="http://maps.google.com/?q=23.12345,120.12345">http://maps.google.com/?q=23.12345,120.12345</a>	You can get the current location data from the device
Check working status	<b>#CHECK#password#</b> Eg: #CHECK#000000#  <b>Replied SMS content, eg:</b> Device ID:IMEI number; Phone number:13512345001, 13512345002, 13512345003; APN: cmnet, apn username, apn pwd; Server: 211.154.139.208, Port: 8870; Interval:60; Speed: 0km/h; Password: 000000	You can get the current working status information from device
Check firmware version	<b>#VERSION#password#</b> Eg: #VERSION#000000#	You can get the firmware version information from device
Restart device	<b>#RESTART#password#</b> Eg: #RESTART#000000#	Restart the device by SMS
Reset to defaults	<b>#FACTORY#password#</b> Eg: #FACTORY#000000#	If you want to remove all the information that you have set in device, pls send this command
Modify password	<b>#PWD#old password#new password#</b> Eg: #PWD#000000#112233#	Default password is 000000

## 5.2 Software configuration



## 6 Standard Accessories

### 6.1 Adaptor image



### 6.2 Adaptor Specification

Input: AC100-240V, 50-60Hz, 0.3A Max

Output: DC 5V, 1000mA

The maximum charging temperature is 35°C.

### 6.3 USB cable image



#### Statements:

Due to the used enclosure material, the product shall only be connected to a USB Interface of version 2.0 or higher. The connection to so called power USB is prohibited.

The adaptor shall be installed near the equipment and shall be easily accessible.

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Hereby, GLOFONE UK LIMITED declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

FCC statements:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## RF

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. The Device has also been tested against this SAR limit.

The highest SAR value reported under this standard during product certification for use when properly worn on the body is 1.243 W/kg and for head is 0.360 W/kg.

. This device was tested for typical body-worn operations with the back of the handset kept 15mm from the body.

To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 15mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.