



# **Supervision Positioning Wristband Manual**

# Available For

Peacekeeping positioning, Security positioning, Residential surveillance, Prison escorted patients, Drug addict, Prisoner, Medical bail, Alzheimer's, Mentally ill, Medical supervision, Epidemic prevention and control.



**Released on Bail**



**Community Correction**



**Mentally ill**



**Judicial Supervision**



**No Exit**



**Residential Surveillance**



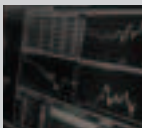
**Drug Detox Supervision**



**Elderly Patient Care**



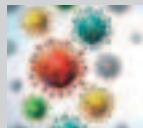
**Medical Supervision**



**Health Management**



**Security Positioning**



**Epidemic Control**

# Every Function Is A Military Technical Standard



**Multiple  
Positioning**



**Two-way  
Conversation**



**SMS  
Receiving**



**Long  
Standby**



**Track  
Query**



**SOS  
Alarm**



**Electric  
Fence**



**Multi  
Alarm**



**Key  
Monitoring**



**Wireless  
Charging**



**Blind Spot  
Supplement.**



**Low Battery  
Alarm**



**Health  
Management**



**Exercise  
Step**



**Weather  
Display**



**IP68  
Waterproof**

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## 1.Product Introduction

### 1.1.Product Introduction :

Smart judicial supervision positioning wristband, also known as Beidou / GPS anti dismantle electronic bracelet,Using Beidou / GPS positioning combined with 4G full Netcom ( 3G /4G) network, it has real-time positioning and data transmission, physical tamper resistance, health management function, instant messaging function, SOS emergency call, watchband disconnection alarm, Cross-border alarm and other functions.

The wristband adopts electronic pulse anti-disassemble stainless steel strap, which is certified by ROHS; strong tensile strength, and the torque is not less than 350N. Each product has an independent identification IMEI number. When the data is uploaded to the background, it can complete automatic identification, trajectory tracking, legal identity, non-disturbance and automatic investigation. It is widely used in attendance of executives outside the prison, track special groups outside the prison, automatic access management, etc.

## ■ 2. Structural Features, Model And Explosion Protected Sign

### 2.1.Product Structure Diagram :



### Component Introduction:

- ① Screen
- ② Electronic pulse anti dismantle stainless steel strap

- ③ Anti dismantle lock hole
- ④ Magnetic charging port
- ⑤ Function key
- ⑥ SIM card slot
- ⑦ Body sensor(Body temperature/heart rate/blood pressure)
- ⑧ Power bank
- ⑨ Anti dismantling buckle (male buckle)
- ⑩ Anti dismantling buckle (female buckle)
- ⑪ Specific screwdriver
- ⑫ Anti break buckle cover (one time non recoverable)
- ⑬ SIM card
- ⑭ Specific screw

## 3. Product Functions

- 3.1. Beidou/GPS/WIFI/LBS multiple precise positioning modes.
- 3.2. SMS message receiving.
- 3.3. Two way phone call.
- 3.4. Mechanical anti-disassemble.
- 3.5. IP68 waterproof and dustproof.
- 3.6. Low power consumption, long standby time.
- 3.7. History track query.
- 3.8. SOS emergency dial alarm.
- 3.9. Geo fence (No entry/exit) alarm.
- 3.10. Key area alarm.
- 3.11. Low power, watch band disconnect, shedding alarm





- 3.12.Exercise step counting.
- 3.13.Body temperature/Heart rate/blood pressure monitoring.
- 3.14.Date and weather display.
- 3.15.Blind spot supplement.

## 4.Product Parameters

<b>Communication Module</b>	4G full Netcom
<b>Frequency</b>	5 mode 13 frequency
<b>Wifi/beidou/gps Antenna</b>	Built-in
<b>Beidou/gps Cold Start</b>	36 seconds
<b>Working Charging Voltage</b>	5V DC
<b>Standby Current</b>	<2.8mA
<b>Battery</b>	750mAh 3.8V
<b>Storage Temperature</b>	-35°C+70°C
<b>Size</b>	L58mm*W42mm*H18mm
<b>Screen Specifications</b>	Full-view color display 1.22 inches
<b>Screen Material</b>	TFT
<b>Altimeter</b>	Beidou/GPS data altitude
<b>Built-in Storage</b>	32M
<b>Button</b>	Mechanical waterproof button
<b>Wireless Power Bank</b>	1200mAh

<b>Strap Material</b>	Electronic pulse stainless steel strap (RoHs certification)
<b>Weight</b>	91.4g
<b>Communication Network Support</b>	China Mobile/Unicom/Telecom
<b>Beidou/gps Positioning Accuracy</b>	15 meters
<b>Beidou/gps Hot Start</b>	1 second
<b>Wifi</b>	802.11b/n/g
<b>Working Current</b>	<70mA/5V
<b>Working Temperature</b>	-20°C+55°C
<b>Waterproof And Dustproof Grade</b>	IP68
<b>Screen Lens</b>	2.5D imitation sapphire glass
<b>Case Material</b>	ABS+PC
<b>Screen Resolution</b>	240*240
<b>Bluetooth</b>	2400 MHz ~ 2483.5 MHz
<b>Data Distribution</b>	WCDMA / LTE
<b>Charging Interface</b>	USB (magnetic suction type)
<b>Sim Card</b>	NANO
<b>Sms View</b>	Support
<b>Hearth rate/ Pedometer</b>	Support

## 5. Instructions

### 5.1. Sim Card Installation

Open the sim card slot cover with the screwdriver, push the sim card into the sim card slot completely(the notch is upward, the chip is outward),then install the slot cover with the screws.You can take out the sim card with the Pin.(Note: The card is NANO card)



Figure 1



Figure 2

## 5.2. Strap Installation

The user can adjust the length of the strap according to the size of the wrist. After the adjust the strap, close the metal buckle with a special-shaped screw.



## 5.3. Turn On/Off

Press and hold the [Function key] for about 3 seconds until the boot bell and the boot interface (as shown in the figure) appear. This device cannot be manually shut down on the device end. If you need to shut down, you need to send a command through the system platform to turn off.

Note: The wristband will automatically turn on when charging.



← **Function Key**

## **5.4. GPS Signal Status**



Press [Function key] to switch to the latitude and longitude interface of the positioning function to view the Beidou / GPS signal status. When the column changes from red to yellow, it indicates that it has intelligently switched to Beidou / GPS mode positioning.

## **5.5.Message Receiving**

5.5.1. Log in to the platform , select [Send Command], [Send Text Message], edit the text message and click Send;

5.5.2. When the wristband receives the message, the screen will pop up the ‘msg content’.



## **5.6. Answer A Phone Call**

Dial the Sim card number in the wristband, when the wristband receiving the phone call prompt, press the [function key] to answer.

## **5.7. Pedometer / Heart Rate**

5.7.1 Press the [Function] key on the device to switch to the [Pedometer] interface, and press and hold the [Function Key] for 2 seconds to start counting steps.



5.7.2 Press the [Function] key on the device to switch to the [Heart Rate] interface, and press and hold the [Function Key] for 2 seconds to prompt ‘Please keep touch with skin’. After about 20 seconds, the test is completed, the screen will show the heart rate data, if the function program is not switched, the dial will display the real-time data. Users can view the heart rate data of the device on the system platform.

### **5.8. Strap Disconnected, Shedding Alarm**

When the strap is damaged, the screen will prompt ‘illegal disconnection’, and the system platform immediately uploads the strap disconnect alarm information.

## 5.9. Device information

Press [Function key] to switch to Device information interface, long press to enter the QR code interface, long press to enter the paired beacon list interface, Long press on the beacon list interface to enter the BLE scan list interface. Wait 20 seconds you will see the specific beacon list. quickly press twice in the BLE beacon list interface to exit.

## 5.10. Charging

Fix the power bank on the watch first. After connecting the power supply, the power bank indicator light will be blue, and the device screen will show the charging status. Tip: please use the power bank, adapter and charging cable that configured by manufacturer. The first time you charge the power bank, it needs to be fully charged for 6 hours, and the charging time under normal use is about 3 hours. (Note: the device is wireless charging, just buckle the corresponding power bank to the watch, and use charging wire to charge the power bank)



## 6. After-sales Service

Product warranty is one year, we provide free maintenance and repair during the warranty(except for the failure or damage caused by human factors or irresistible natural phenomena). Provide long-term paid service after the warranty period expires.

### **6.1.Our company does not implement warranty service in any of the following situations:**

- 6.1.1.Consumers cause damage due to improper use, maintenance and storage;
- 6.1.2.Damage caused by dismantling by the third party repairer;
- 6.1.3.Without warranty certificate and valid invoice;
- 6.1.4. The model of the warranty certificate does not match the model of the repaired product or is altered;
- 6.1.5.Damage caused by force majeure.

### **6.2.We will charge repair or maintenance fee under warranty for the following situations:**

- 6.2.1.The user failed to connect the power supply correctly

according to the requirements of the manual, or failed to take any measures due to the unstable voltage of the power grid, resulting in product failure or even burnout;

6.2.2.Accidental failure and damage caused by natural disasters and other irresistible factors;

6.2.3.The product label is destroyed or the date is altered;

6.2.4.Failure or damage caused by disassemble, repair and modification of product without the permission of our company;

6.2.5.Other failures and damages not caused by product quality problems (including poor packaging and shipping damage when sending back).

**6.3.Product maintenance regulation for after the warranty period: if the main components of the product are not damaged and have maintenance value after the warranty period, our company can provide paid maintenance, and we will charge the cost of replacing parts.**

## **6.4.Other considerations:**

6.4.1.During the warranty, due to the product quality problem, the shipping cost shall be borne by both parties, and the shipping type need to be negotiated.

6.4.2.During the warranty period, for non-product quality problems and repairs out of the warranty period, the shipping cost is borne by the customer, and the shipping type need to be negotiated.

6.4.3.In order to reduce unnecessary waste, please consult our company's technical personnel to confirm the general failure.

6.4.4.This product is forbidden to work in the environment with high temperature and high humidity (for example: sauna room).

**6.5.Our company reserves the right of final interpretation of the above contents.**

## 7.Common Problems And Solutions

### **7.1. The screen does not display charging status when charging**

It may not be used for a long time, the product battery has been exhausted, the product needs about 10 minutes to activate the internal battery when charging.

### **7.2.The device is getting hot**

7.2.1.1. It is normal that the device is slightly hot during charging.

7.2.2. When the product positioning interval is set to less than 1 minute, the data is uploaded continuously, the power consumption is large, and there will be hot phenomenon. We recommend to modify the positioning time to more than 10 minutes.

### **7.3.The tracking position does not match the actual position**

When the device is in a relatively closed environment, the signal will be weak, and the base station positioning will deviate by 30-100 meters, which is normal.

## **7.4.Do not update location information**

7.4.1.Check whether the network signal of the device location is normal or not.

7.4.2.Check if the device has power.

## **7.5.The device is in working state but the platform is displayed as offline state**

7.5.1.Dial the SIM card on the device to check whether it is in arrears;

7.5.2.Check whether there is network signal in the environment where the device is located.

## **7.6.The device has been locating, but can't find the history track**

The network environment signal is poor. Beidou / GPS / WiFi is not in place and has been switched to base station location. Since the base station location can be changed at any time, the history track cannot be generated, this is a normal phenomenon.

## **7.7.No entry or exit alarm for Geo fence**

The radius range of fence is not large enough, and the positioning distance of the base station is deviated.

It is recommended to be more than 50 meters.

### **7.8. Temperature measurement error**

During the test, it must be close to the skin without external temperature interference (for example, when taking a cold or hot bath, the arm is exposed, and the external temperature has a greater impact on the arm)

### **7.9. Heart rate and blood pressure detection error**

When testing, it must be close to the skin of the wrist.

### **8.0. Wrong detection of strap cut off alarm**

Due to the special conductive material plated on the gap of the strap, it is not allowed to bend the strap repeatedly (in this case, the resistance value of the conductive layer of the strap will change and the detection false alarm will occur, and the tension value of the strap will also decrease accordingly, and the bending part of the strap will become soft and inelastic accordingly)

## 8. FCC Regulations:

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.

This device 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 radiated 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.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **FCC RF Exposure Information (SAR)**

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the United States.

During SAR testing, this device is set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage near the body. Although the SAR is determined at the highest certified power level, the actual SAR level of the while operating can be well below the maximum value.

The exposure standard for wireless employs a unit of measurement known as the Specific Absorption Rate, or SAR. The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.



# IP68 Deep Waterproof

The wristband adopts an advanced waterproof structure, IP68 waterproof level, you don't have to take it off for washing your hands, bathing, or getting in the rain. It is truly waterproof and meets the needs of daily life.



