

Tamper-Proof Tracking Bracelet

Product Introduction

Factory Direct Supply

Shenzhen Xexun Technology Co., Ltd

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Tamper-Proof Tracking Bracelet

Anti detachable tracking bracelet is an industrial grade tracking product designed for community correction, parole, home curfew, home isolation, Alzheimer's disease, mental patients and other special industries. It includes anti disassembly tracking terminal and management system. The terminal collects GPS / Beidou / WiFi / lbs location information, and sends the location information to the server by 4G wireless network, so as to realize the tracking target. The terminal has built-in disassembly sensor, which can alarm immediately after disassembly. The terminal protection level reaches IP68, which is simple in design and easy to use.

Functions

➤ Real Time Tracking

Indoor and outdoor high-precision real-time tracking. You can view the real-time location of objects on the map at any time.

➤ Blind Area Supplementary Report

It can store the location and alarm information of mobile network interruption state, and automatically resend after network signal recovery.

➤ Historical Route

You can view the historical route of the terminal in any time period on the map.

➤ Virtual Fence

Some key areas can be set as virtual fences. Once the terminal enters or exits the fence, the system will alarm immediately.

➤ Route Planning

It can set the daily travel route and time interval of the terminal in advance. Once the terminal deviates from the specified route, the system will alarm immediately.

➤ Wifi Monitoring

The system can automatically collect the specified WiFi hotspots regularly to detect whether the terminal is in the designated area. Once the terminal leaves the designated area, the system will alarm immediately.

➤ Disassembly Alarm

The built-in conduction circuit of the watch band, combined with the built-in sensor in the terminal, the alarm will be given immediately when the instrument is disassembled illegally.

➤ Low Power Alarm

When the terminal power is less than 20%, it will automatically generate low power alarm, vibration will remind the wearer and send the low power alarm information to the management system.

➤ Message

The terminal can receive the setting instructions and messages pushed by the system.

➤ **Pedometer**

The built-in motion sensor can realize the step counting function, and the system can automatically count the steps every day.

➤ **Heart Rate Monitoring**

The built-in heart rate sensor can detect the heart rate of human body regularly. If it exceeds the preset threshold, the system will give an alarm immediately.

Parameters

➤ **Model**

DDX04.

Tracking Mode

It supports GPS / Beidou / WiFi / lbs hybrid tracking, can automatically switch the most suitable tracking mode according to environmental changes, and supports Google and Google maps.

➤ **Tracking Accuracy**

Without occlusion, the maximum tracking accuracy can reach 5 meters.

➤ **Tracking Frequency**

By default, it is tracked once every hour, which can be set.

➤ **Network Connections**

4G.

➤ **Sim Card**

Nano SIM card.

➤ **Management System**

We provide supporting management system, also can push data to the third-party management system.

➤ **Temperature Monitoring**

The built-in temperature sensor can sense the temperature of human body regularly. If it exceeds the preset threshold, the system will alarm immediately (optional).

➤ **Remote Settings**

Support online settings through the network to facilitate remote management.

➤ **Remote Upgrade**

Support online upgrade through the network, convenient remote maintenance.

➤ **Data Security**

Built in encryption transmission and security authentication to ensure data security.

➤ **Switch On / Off**

After power on, it will start automatically and cannot be shut down manually. In special circumstances, the system can be shut down remotely by the administrator.

➤ **Vibration Alert**

yes.

➤ **Screen**

1.22 inch 128 * 128 pixel low power OLED black and white display, supporting multi language display.

➤ **External Interface**

Magnetic charging and data interface.

➤ **Battery**

500 MAH rechargeable battery.

➤ **Standby Time**

Tracking once every hour, standby for 6 days.

➤ **Charging Time**

Two hours.

➤ **Charging Voltage**

5V.

➤ **Charging Mode**

First, fully charge the snap on mobile power supply, and then buckle the mobile power supply on the terminal to charge the terminal. When charging, there is no need to connect the power cord, and the wearer can walk freely.

➤ **Shell Material**

Environmental friendly plastic.

➤ **Waterproof**

IP68.

➤ **Size / Weight**

The product is 50x40x16mm / 70g. The color

box is 105 * 105 * 75mm / 260g. The carton is 330 * 330 * 395mm / 7kg (45 pieces).

➤ **Work Environment**

Temperature: - 20-60 °C . Humidity: 10% - 90% RH, no condensation.

➤ **Details Of Accessories**

Including terminal, snap on mobile power supply, magnetic data cable, ,user manual and warranty card.

➤ **System Architecture**

The system adopts BS structure and is easy to install.

➤

Installation Environment

Linux.

➤ **System Capacity**

There is no limit to the number of tags and login clients.



System Architecture



Certification



2.2. Summary SAR Results

Table 1: Max. SAR Measured(10g)

Exposure Configuration	Technolohy Band	Highest Measured SAR 10g(W/Kg)
Next to mouth	GSM900	0.142
	DCS1800	0.079
	WLAN2450	0.166
Wrist-worn	GSM900	0.559
	DCS1800	0.469
	WLAN2450	0.251

The SAR values found for the MID below the maximum recommended levels of 2.0W/Kg as averaged over for 10g tissue according to EN62209. The maximum SAR value is obtained at the case of (Table 1), and the maximum value is:0.166 W/Kg (10g) for Head and 0.559 W/Kg (10g) for Body.

Company Profile

Shenzhen Xexun Technology Co., Ltd. is a high-tech enterprise focusing on the R & D, production, sales and service of indoor and outdoor high-precision tracking products (outdoor products include GPS / BeiDou tracking series, indoor products include UWB high-precision cm tracking series, and the integration scheme of the two). Founded in February 2002, the company is the world's leading supplier of high-precision tracking products and a national high-tech enterprise. Over the years, we have focused on the development of high-precision tracking technology, implemented a large number of tracking projects at home and abroad, and accumulated valuable technical experience. Our products have served thousands of projects in various industries all over the world, and have been widely recognized and praised by the industry.



Cases Of GPS

- Shanghai community correction Bureau
- Tianjin Community Correction Bureau
- Qinghai community correction Bureau
- Ningxia community correction Bureau
- Xinjiang community correction Bureau
- Liaoning community correction Bureau
- Sichuan community correction Bureau
- Yunnan Community Correction Bureau
- Guangdong Community Correction Bureau
- Wuhan Community Correction Bureau
- Heilongjiang Public Security Department
- Kezhou Public Security Bureau
- Qianxinan Judicial Bureau
- Qiandongnan Judicial Bureau

Cases Of UWB

- Hunan Power Grid
- Anhui Power Grid
- Jibei Power Grid
- Henan Power Grid
- Beijing Power Grid
- Menyuan prison
- Xining prison
- Xichuan prison
- Caidamu prison
- Jiulong prison

Our products are widely used in the United States, Canada, the United Kingdom, France, Italy, Germany and other countries and regions industry tracking application projects. Due to the OEM mode of foreign projects and the signing of confidentiality agreement, the specific project name and details can not be released.

Contact

Shenzhen Xexun Technology Co., Ltd

Address: 502, 103 Meihua Road, Futian District, Shenzhen

Website: www.gpstrackerchina.com Email: xexun@xexun.com

Tel: 0755-8312 0933 Skype / WhatsApp / Wechat: +86 138022 72068 Name: David

Note:

In order to extend the battery standby time, the bracelet can collect WiFi hotspots every 10 minutes (can be set) and automatically determine whether the hotspot is in the designated area (WiFi hotspot data can be collected in advance and stored in the bracelet). If the bracelet is in the designated area, the data does not need to be uploaded. If it leaves the designated area, the data will be uploaded immediately. This design can greatly reduce the data upload frequency and increase the standby time to more than 2 weeks.