

**EW800L Smart Watch**

**User Manual**

## **1 Abstract**

EW800L Smart Watch is used in the users' personal information identification, beidou positioning, vital signs information collection and so on. Besides, it could also wirelessly upload all kinds of information to handheld reading device.

## **2 Product component**

Product consists of smart watch, charger stand, data cable, power adapter, as was shown in figure 1 and figure 2.



Figure1 Smart phone and charger stand



Figure 2, data cable and power adapter

### **3 Operation instructions**

#### **3.1 Main function**






- ( 1 ) High frequency RFID identification ;
- ( 2 ) Beidou positioning and timing functions ;






- ( 3 ) Encrypted wireless data communication ;
- ( 4 ) One key for help ;
- ( 5 ) Heart rate test ;
- ( 6 ) Clock, alarm clock, step, compass function.

## 3.2 Operation instruction

### 3.2.1 Screen main symbols display instruction

Table 1 Screen main symbols display instruction

Icon	Name	Description
	Enable wireless communication	enable wireless communication
	Battery indicator	indicate battery
	Alarm clock	enable alarm function
<b>SOS</b>	SOS	enter into SOS status
<b>SOS</b>	SOS feedback	receive the SOS feedback
	send request	it is sending material request
	request successfully	material request is successful

	request fail	material request fail
	heart rate	menu and interface icon
	step	menu and interface icon
	beidou positioning	menu and interface icon
	compass adjustment	press confirm key to adjust compass

### 3.2.2 Key instruction and operation



Figure 3 Key instruction

**( 1 ) Backlight/wireless silent switch button**

- a) Short press, open or close backlight
- b) Long press for 3s, enter or exit silent mode.

**( 2 ) return key/ switch key**

- a) short press, return to high level menu ;
- b) In shutdown state, long press to boot; in open state, long press for 3s to turn off 。

**( 3 ) up key**

- a) In main interface, short press to enter into personal information function page ;
- b) In menu interface, short press to move up the menu ;
- c) In clock, alarm clock interface and so on, digital plus one in edit interface 。

**( 4 ) Fuction/confirm key**

- a) In main interface, short press to enter into menu setting
- b) In setting interface, function interface, short press to confirm option.

**( 5 ) down/SOS key**

- a) In main interface, short press to enter into personal information function page
- b) In menu interface, short press to move down the menu
- c) In clock, alarm clock interface and so on, digital minus one in edit interface
- d) Long press for 3s, enter or exit rescue mode

### **3.2.3 Main interface**

Main interface is standby interface, as shown in the following figure :





Figure4 Main interface

### **3.2.4 High frequency RFID identification**

Use handheld read equipment to closely read( $\leq 5\text{cm}$ ) the high frequency RFID information

### **3.2.5 Beidou positioning and timing**

In main interface, enter into beidou positioning interface by key operation, the interface would display:

“Opening” , “ Searching” , “ positioning” , “ positioning completion”



Figure 5 Beidou positioning

### 3.2.6 one key for help

In any interface, long press SOS key for 3s to enter into SOS mode, automatically sends out the SOS message, receive SOS feedback at the same time.



Figure 6 SOS interface

### 3.2.7 Heart rate test

In main interface, enter into heart rate test interface by key operation, automatically test heart rate and display



Picture 1 Heart rate test

### 3.2.8 时 Clock, alarm clock, step, compass

Cock could display on the main interface,

set clock and alarm clock parameter

In main interface, enter into step or compass interface by key operation, automatically display step and compass

### **3.2.9 Reset**

Long press switch key for 8s to achieve reset function.

### **3.2.10 Charging**

Use data cable to connect the smart watch and "charging interface" to charge smart watch.



Figure 8 charging connection

First use: When first use the product, use up the battery and completely charge and discharge or 2 to 3 times. Each charging should be more than 3 hours to ensure the battery usage life.

Charging: When the watch indicates that the battery is low, please charge the watch in time. If there is a lighting symbol in battery icon, it shows that the smart watch is in charging state. Each charging time is 2 to 3 hours.

## 4 Frequent failures and troubleshooting methods

Table 4-1 Frequent failures and troubleshooting methods

Number	Failure phenomenon	Failure reason 因	Troubleshooting methods
1	When charging the smart watch, there is no light symbol in the battery	can not normally charge	Check the whether watch insert direction is correct, whether the bayonet is locked, whether the interface connects

			reliably
2	Heart rate data deviation is large	wear the smart watch too loose	wear the smart watch more closer to the skin

## 5 Environment index

Working temperature : - 20°C ~ + 55°C ;

Storage temperature : - 40°C ~ + 65°C ;

Water proof level : 5ATM , 50 meters water proof.

## **6 Maintenance and attention**

( 1 ) In main interface, check whether there is a wireless symbol. The wireless symbol indicates that the wireless communication is in open state, power consumption will be enormous, Besides, battery life would be shortened.

( 2 ) Being in the interface of beidou, heart rate, step and compass for a long time, power consumption is bigger than being in standby interface. Besides, battery life would be shortened

( 3 ) Power adapter should use the product standard adapter. It can not use mobile phone or any other power adapter.

( 4 )It is prohibit to throw or hit the smart watch. Violently use can make damage to the watch screen and other components.



## **7 Transportation and storage**

The product package box should conform to the requirement of moisture proof, dust proof, shock proof. There should be packing list, certification, accessories and related files in the package.

After inspection, the product should deliver in time. Before the delivery, the manufacturer is responsible for the product storage. It should not open without the authority consent. Product transportation conforms to 5.9 item in GJB367A.

Product should be stored in the original package boxes. The storage

temperature is  $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$  and relative humidity is 20% ~ 80%. Harmful gas, inflammable, explosive products and chemical corrosion products are not allowed to put in the warehouse. Besides, there should be no strong mechanical vibration , impact and strong magnetic field. The package box should be at least 30 cm above the ground and at least 80 cm from the wall, heat source, cold source, window and air inlet. The storage period is 3 years. In the prescript storage period and storage condition, product performance should conform to the requirement of this specification. Finally, there should be no corrosion and moldy phenomenon.

Product warranty is subject to the contract. In the warranty period,

manufacturer is responsible for the maintenance. Out of warranty period or cause damage to product due to improper storage and use, the manufacture would be paid for the maintenance, but the manufacturer can not refuse to repair.

**FCC Warning:**

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.