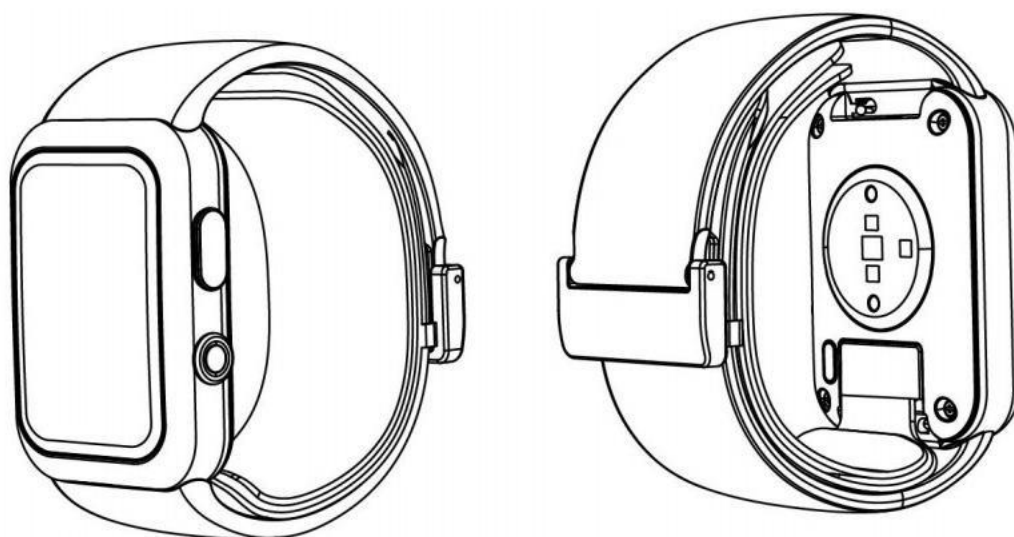


# Wrist-type blood pressure recorder

Gamma Watch

## Product instructions for use



\* Please read the instructions carefully before use.

\* Please keep it properly for reference and reference.

\* The illustrations in this instruction manual are all renderings, please refer to the physical object.

# catalogue

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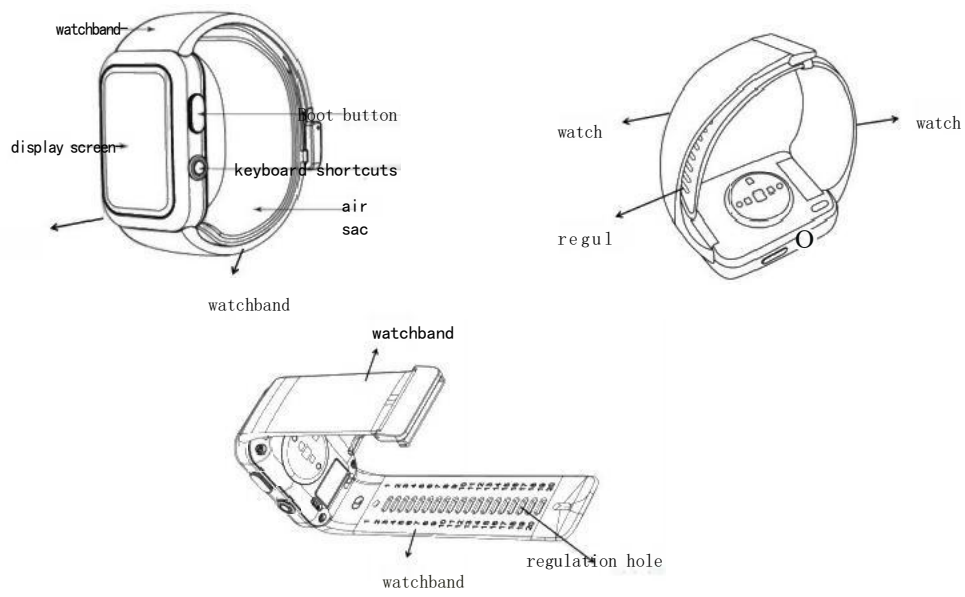
## 1. Notes, warnings, and tips

Please be sure to assemble and use the product according to the regulations contained in the product Instructions. Please read the Product Instructions carefully and keep it properly for inquiry.

If you have any questions in the use, please contact the online customer service.



1. Please do not conduct self-diagnosis or self-treatment through the measurement results. Please follow the doctors advice; self-diagnosis may worsen the condition. Please refer your measurements to your doctor or a medical staff who knows your condition.
2. Do not wear the product during the medical process (such as nuclear magnetic resonance imaging).
3. In the case of arrhythmia (e. g., early atrial, ventricular and atrial fibrillation), the blood pressure measurement may lead to error or failure.
- 4, diabetes, hyperlipidemia, hypertension and other diseases will accelerate arteriosclerosis, may cause peripheral circulation disorders, may affect the blood pressure measurement results.
5. For patients with blood circulation disorders and blood diseases, the measurement of this product may cause errors.
6. This product is only suitable for blood pressure measurement for people over 12 years old.
7. The accuracy of pregnant womens blood pressure is not verified by sufficient data, and there may be large errors.
8. The following personnel should use the product for blood pressure measurement under the guidance of a doctor:
  - Patients with limb jitter syndrome, and the arm cannot bend independently.
  - People with a wound or inflammation on the arm or wrist.
  - A person whose arm or wrist is receiving infusion or another catheter.
  - Patients who are using intensive-care medical devices.
9. The product cannot be used for any application other than the intended use, otherwise there may be potential risks.
10. Any part of the product should not be maintained or maintained when it is used by patients.
11. The expected operator of this product may be the patient or medical staff.
12. Portable and mobile RF communication equipment may affect the performance of wrist blood pressure recorder products, and avoid strong electromagnetic interference when using them, such as proximity to mobile phones, microwave ovens, etc.
13. The parts of this product that contact the patient are the host shell, watchband (strap is wrist band) and air bag.



14. The modification of the equipment is not allowed.
15. Do not modify the equipment without the authorization of the manufacturer.
16. If the equipment is modified, appropriate inspection and tests must be carried out to ensure that the equipment can be used safely.
17. The blood pressure value measured by this product is the measured blood pressure value explained to a professional physician.
18. The system may not meet the claimed performance specifications if stored or used outside the temperature and humidity range of storage conditions or normal operating conditions.
19. The battery of the equipment can not be removed. Do not replace it by yourself, so as not to damage the battery or equipment.
20. The application part of this product is the watch strap.
21. Products and their small parts shall not be inhaled or swallowed.
22. The product contact material may have an allergic reaction to the human body, but it has passed the biocompatibility test conducted in 168 86.1.
23. Attachments, removable parts and materials other than the instruction manual should not be used, otherwise it may cause inaccurate measurement.
24. After the product is stored at the lowest temperature and the highest temperature and placed at the ambient temperature of 20°C, it takes about 4 hours before the machine can work normally. Please keep the equipment and its accessories dry. Do not dry the external heating equipment such as microwave oven or hair dryer.
25. Do not place the equipment and its accessories in the area where the temperature is too high or too low, otherwise it may cause equipment failure, fire or explosion.
26. do not make the equipment and its accessories by the strong impact, vibration, scraping, contact with hard and sharp objects, so as not to damage the equipment and its accessories, resulting in equipment failure.
27. If the product is equipped with a leather strap, please avoid the use in the hot sun, direct sunlight, high temperature, humid environment. If you accidentally touch water or sweat, please wipe it as soon as possible and place it in a ventilated and cool place to wait for drying. Do not use the microwave oven, hair dryer and other external heating equipment to dry the wet leather watchband, otherwise the leather surface may shrink or expand the phenomenon.
28. If the product is equipped with a light color watch band, please do not contact dark clothes to prevent staining.
29. Before cleaning and maintenance, please stop using the equipment and disconnect all connections or cables to other equipment.
30. do not use strong chemicals, cleaning agent or strong detergent to clean the equipment or its accessories, please use a clean, dry soft cloth to wipe the equipment or its accessories.
31. Do not contact the magnetic stripe card (such as bank card, phone card, etc.) with the device for a long time, otherwise the magnetic stripe card may be damaged by the magnetic field.
32. Do not remove or modify the equipment and accessories without authorization, otherwise the equipment and accessories will not be covered

by the manufacturers warranty. Please contact the manufacturer if the equipment is faulty.

33. If the equipment collides with hard objects or the equipment is strongly hit by the outside world to break the screen part, do not touch or try to remove the broken part. Please stop using it immediately and contact the manufacturer in time.

34. Please keep the equipment and its accessories clean and dry. Do not wear too loose or too tight during exercise. After exercise, please clean and maintain it according to the chapter of "Product Cleaning and Disinfection", and wear it before drying.

35. Daily wear can slightly relax the strap to ensure that the skin and the equipment contacts are dry and breathable. If continuous wear is inappropriate for a long time, please remove the device and rest the wrist for a while or change hands to wear it. If you still feel unwell, you are advised to stop wearing it and consult your doctor in time.

36. Please follow the precautions and other correct use methods in the instructions. If you do not comply, the manufacturer will not assume the quality responsibility.

37. The manufacturer can provide the circuit diagram, component list, drawing note and other materials as required, so as to facilitate the maintenance personnel designated by the manufacturer to repair the product. Please contact the manufacturer or the after-sales service phone number.

38. It is recommended to calibrate the wrist blood pressure recorder (at least once a year), which should be implemented by the national measurement and testing department, the manufacturer or the special maintenance center authorized by the manufacturer. Verification method recommendations: Please refer to JJG692-2010 Non-invasive Automatic

Verification procedures for measuring sphygmomanometer for verification.



1. No use of adapters with charging voltage greater than 5V and charging current greater than 2A.
2. Charging is prohibited in the case of water stains.
3. Do not wear this product to take a bath, swim, etc.
4. Before the blood pressure test, you need to rest quietly for more than 5 minutes. During the test process, take a comfortable and static sitting position, keep a stable state of mind, and prohibit speaking. Please make sure that the watch is flush with the heart.
5. The product cannot work and use when charging.

## 2. contraindication

1. The body state cannot be stable (such as patients with Parkinsons, cerebrovascular disease, sequelae), atrial fibrillation and other absolutely irregular heart rhythm, severe anemia, peripheral vascular disease or arteritis affecting peripheral blood vessels. Users may have a large error in measuring blood pressure when using this product.
2. When the airbag lasts for a long time, there may be risks (causing discomfort such as wrist stasis or paralysis). If such abnormality occurs, please remove the equipment.
3. Not suitable for people with pacemakers or other implantable devices.
4. If abnormal, do not measure blood pressure frequently, otherwise it is easy to cause poor blood circulation.
5. Portable and wireless RF communication equipment may affect this equipment, so do not use this equipment adjacent or stacked with other equipment, otherwise it may increase radiation and decrease disturbance immunity.
6. This product may cause adverse events in use, such as allergy, please pay attention to stop wearing it and consult your doctor.
7. The product cannot be measured when charging.

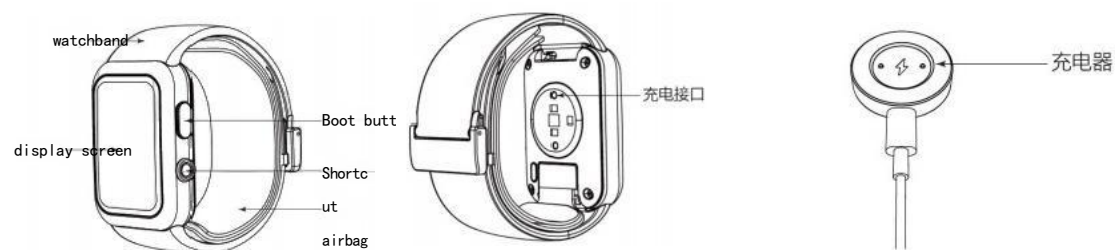
## 3. Expected use and scope of application

1. Expected use: it is suitable for measuring adult blood pressure and pulse rate by scope method, and its value is for clinical reference.
2. Expected use environment: quiet environment, temperature: 5~40℃.
3. Applicable group: over 12 years old.

## 4. structural composition



This product is composed of host, cuff (wrist band), magnetic suction charging base and mobile terminal application software.



## 5. Main product performance parameters

### (I) Normal working conditions:

Ambient temperature: 5℃ ~40℃

Relative humidity: 85% RH, excluding condensation;

Atmospheric pressure: 80.0 kPa ~ 106.0 kPa

Power specification: 455 mAh/3.87V

### (II) Main performance parameters:

project	parameter
product name	Wrist-type blood pressure recorder
ts	Gamma Watch
Embedded Software (Gamma Watch) release version	V1.1
The Mobile Application Software (Health Zone) release version	Android: V0.4 IOS: V1.4
Type classification of electric shock protection	Internal power supply class
Classification of the degree of electric shock protection	BF type application part
Classification of the protection grade of the incoming fluid	IP67
Safety classification in flammable anesthetic gas environment	Non-AP and APG type devices
Classification by disinfection and sterilization method	Per it as specified in the manufacturers instructions
Classification by operation mode	continuous duty
Power Supply Voltage	Internal power supply: lithium battery: 3.87V
Measurement method	oscillography
measuring range	Pressure: 0 mmHg~300 mmHg (0 kPa ~ 40 kPa) Pulse rate: (40 ~180) times / minute
certainty of measurement	Blood pressure: $\pm 3\text{mmHg}$ ( $\pm 0.4\text{ kPa}$ ) Pulse rate: the accuracy is $\pm 5\%$
Pressure mode	The pressure pump automatically
Exhaust mode	Automatic fast exhaust
Wrist circumference size	M code air bag: about 13.0 cm~16.0 cm L code air bag: about 16.1 cm~20.0 cm

### (III) Basic performance requirements:

1. Range: The pressure measurement range is 0 kPa ~ 40 kPa (0 mmHg~300 mmHg).
2. Resolution: When blood pressure: chiopaska is 0.1 kPa; mm Hg is 1 mmHg.
3. Repeatability: measured in static continuous low pressure state, the difference between repeated measurement readings at each point in the scale range shall not be greater than 0.5 kPa (4 mmHg).
4. Pressure sensor accuracy: When the product is boosted, the maximum error of the pressure measurement in the wrist band at any measurement point in the range is  $\pm 0.4$  kPa ( $\pm 3$  mmHg).

## Vi. Installation and use

### 1. Pre-use inspection

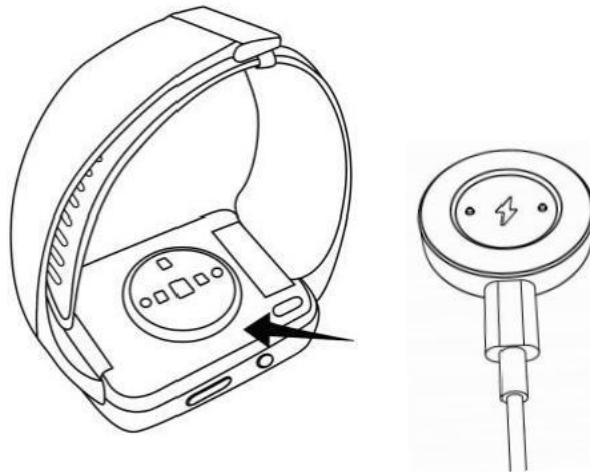
1) Unpacking inspection: remove the main engine and its accessories from the packaging box, check the accessories according to the packing list, and keep the relevant packaging materials for subsequent transportation, preservation and inspection.

2) Check whether the host engine and the accessories are in good condition, check whether there is any mechanical damage, if there is any sign of damage to the equipment function, do not use it, and contact the agent or after-sales service unit in time.

### 2. Charging and startup

Charging: use the equipped magnetic charging base to absorb the charging interface on the back of the device, and the other end is connected to the charger and charged

Source until the charge level indicator appears on the screen.



Boon: charging can automatically start, or long press the start button.

#### 1) Battery level display:

You can view the power display in the dial interface and the quick Settings interface.

#### 2) Low battery power reminder:

- When the power is 20% and the power is less than 20%, the screen appears low power icon and vibration reminder once.
- The actual charge is 6%, and the UI displays a low current icon and vibration reminder once; then every time when the user lights up the screen.
- Actual power level 5%, UI display 0%, <5% automatic shutdown.



pay attention to:

- Please use the special magnetic suction charging base in the package to charge, please keep charging dry.
- When charging the equipment, the power socket should be installed near the equipment and should be easily accessible.
- When the charging is finished or not charged, please disconnect the magnetic suction charging base from the device and unplug the charge from the power socket

electrical equipment.

- Magnetic suction charging base will stop running when the external ambient temperature is too high. If the external ambient temperature is too high, please stop using magnetic suction charging.
- In order to ensure that the magnetic suction charger can work normally, please avoid the use in the car.
- Use a standard power adapter (5V / 1A DC power, certified with safety standards).

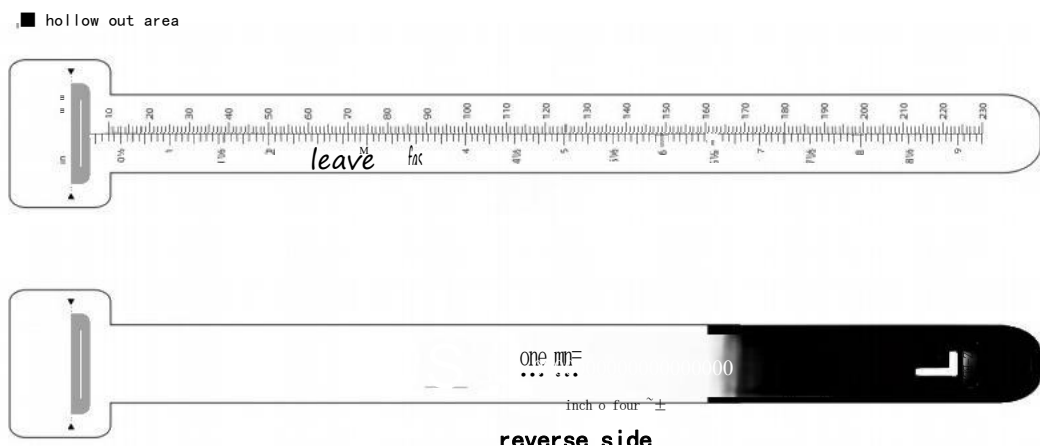
### 3. Measure the wrist circumference

- Use the matching wrist circumference measuring ruler to measure the wrist circumference;
- The measurement position is about two fingers wide of the wrist from the transverse stripes of the palm;
- Circle the soft ruler around the wrist measurement position. The tape measure needs to fit the arm, find the appropriate position, and record the reading of the wrist circumference or the corresponding hole position.

### 4. Select the watchband and the airbag

According to the measured data, it is recommended to select the corresponding watchband and air bag (M / L code) between 13.0-16.0 cm according to the following parameters, and select the M code watchband and air bag;

Wrist circumference between 16.1-20.0 cm, select the L code watchband and air bag;

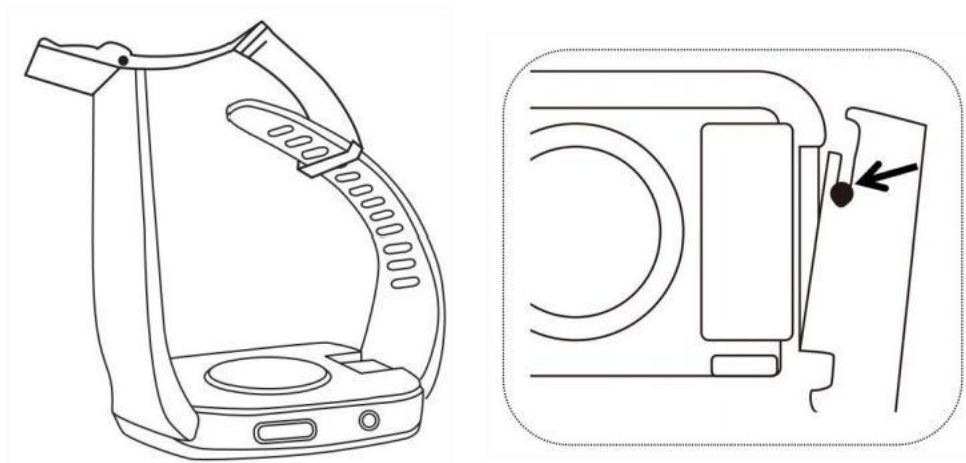


Schematic diagram of wrist circumference

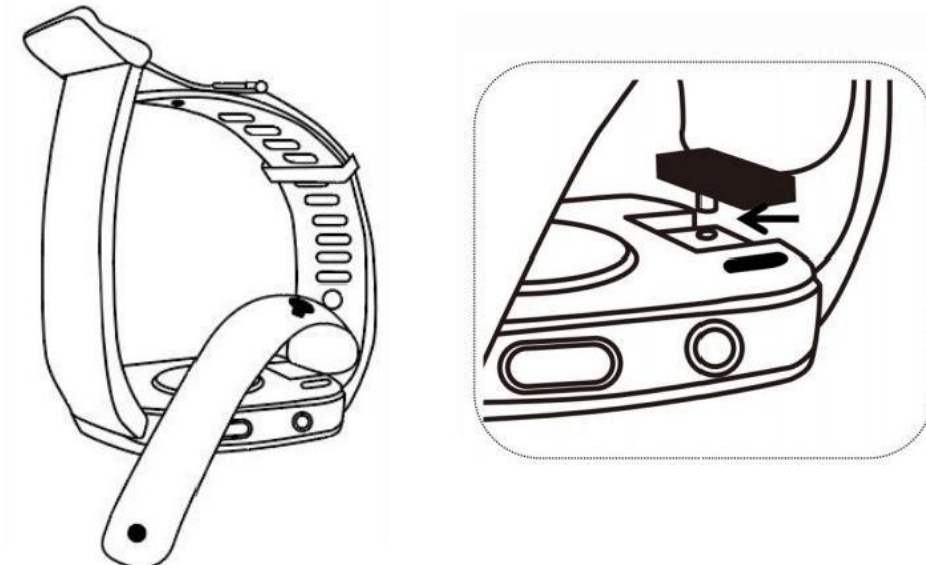
### 5. Disassembly and wear

#### 5.1 Disassembly and assembly

1) Pull the metal at the left end of the watchband to the hole at the junction of the right metal ball, and aim at the right hole to complete the installation and disassembly.

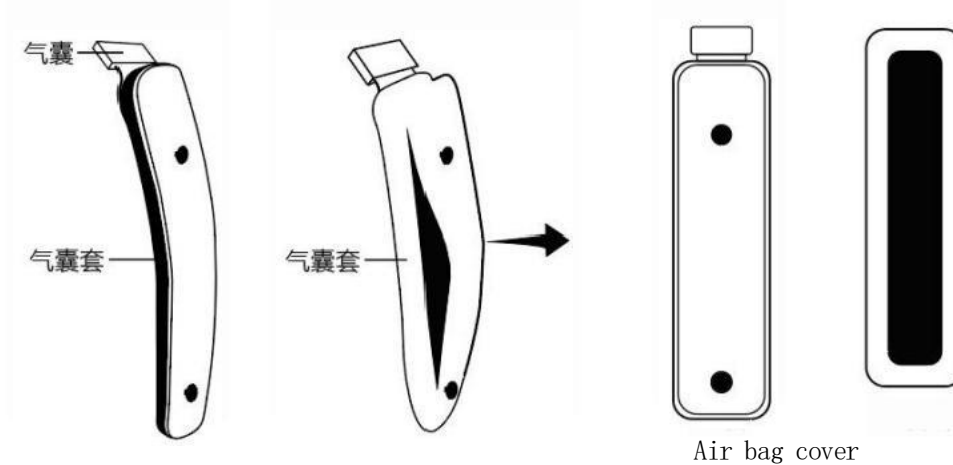


2) insert the air nozzle of the air bag protrusion vertically into the air hole on the back of the equipment, and press the air bag cover to install firmly.



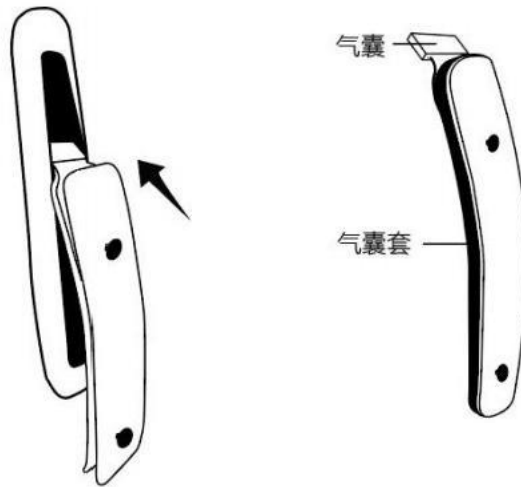
### 3) Replace the airbag sleeve

Step 1: Remove the air bag sleeve and pull the air bag out from the middle position.





Step 2: Install the air bag sleeve, plug the air bag from the middle of the air bag cover and pull out from the head.



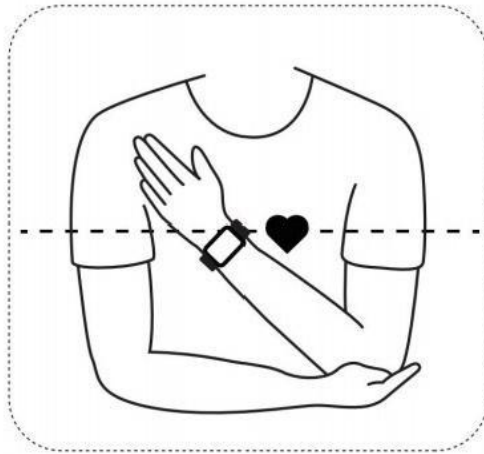
## 5.2 Wear

When wearing the device, the surface body is placed in the middle of the dorsal hand of the wrist, the edge of the surface body is located below the root of the ulnar stem, and the root of the ulnar stem can not be pressed or too far away. The center of the dial is located at the width of the wrist from the transverse pattern of the palm.



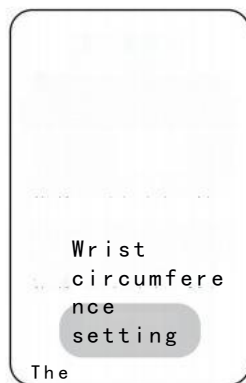
## 6. Measurement method

- Please measure in a quiet and relaxed state, keep relaxed, back straight and sit comfortably.
- Wear the equipment normally on the wrist to ensure that the back of the equipment is attached to the skin and is not covered by foreign bodies.
- The other hand holds the elbow of the wearing watch.
- Keep the device with heart height.
- The palm is toward the chest, and the palm of the wrist extends naturally.



## 7. Measurement steps

1) Set the wrist circumference: During the first measurement, click the blood pressure icon of the function list, and the watch will remind the wrist circumference to set the wrist circumference interval, select the corresponding wrist circumference interval according to the male value, select the size of the air bag, and enter the blood pressure measurement interface after reconfirming.

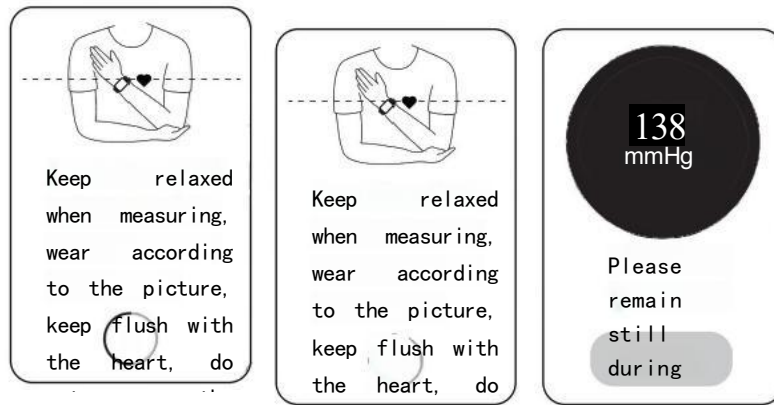


The corresponding watchband and airbag are recommended. The L code strap and airbag are recommended.



The airbag is properly installed and is ready to start the measurement.

2) Start measurement: After clicking the measurement, the watch shows the 5-4-3-2-1 countdown interface. When the air bag starts to automatically press pressure, the blood pressure data is displayed in real time on the screen, and you can also click Cancel measurement to end the measurement early.



3) End of measurement: after the measurement, the airbag will automatically vent air and display high pressure, low pressure and pulse values in the measurement result interface; the high pressure in this manual is systolic pressure and low pressure is diastolic pressure.



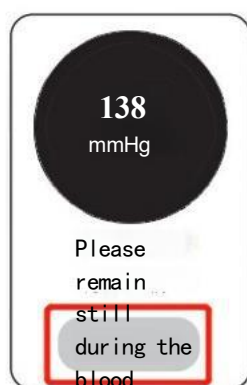
	systolic pressure		diastolic pressure	
normal	High pressure <120	And (or)	Low pressure <80	green
Normal high value	High pressure of 120-139	And (or)	Low pressure of 80-89	yellow
hypertension	High pressure >139	And (or)	Low pressure >89	red

Note: The above sources are based on the revised Chinese Hypertension Prevention Guidelines 2018

When the airbag starts to air, the device will automatically. During the inflation process, the device is also detecting the pulse, so please do not move the wrist throughout the measurement process. During the whole process, the wrist will feel squeezed by the air bag, which is normal during the inflation process.

If an error is indicated, please refer to the following page "Error and fault description" to check for errors.

**Terminate measurement:** In the blood pressure measurement interface, click Cancel measurement to terminate the blood pressure measurement.



matters need attention

- ① The interval between the two measurements was at least 2 - 3 min. The wait between measurements is mainly to restore the artery to the state before the blood pressure.
- ② During repeated measurements, the correct blood pressure value may not be measured because the blood flow in the wrist may not be smooth. Please measure it again after the blood flow is unimpeded.
- ③ If the user has performed medium and high intensity exercise before the measurement, the blood pressure measurement results may not be accurate. It is recommended that the user rest for half an hour after the medium and high intensity exercise before taking the blood pressure measurement.
- ④ When the measurement personnel have arrhythmia, the measurement value of blood pressure and pulse rate may not be accurate enough, especially for patients with arrhythmia disease

Consult a doctor for a professional diagnosis.

- ⑤ Too loose or too tight of the equipment will affect the accuracy of the measured value.
- ⑥ Measuring posture and physical condition will affect the measurement results. Please know about blood pressure and eliminate various interference factors.
- ⑦ Please do not use them with electrical appliances that emit electromagnetic interference, which may affect the accuracy.
- ⑧ The list of key components of the machine includes the master control chip, sensor, air pump, etc. The parts of the manufacturers specifications specified in the list must be used, otherwise the safety or accuracy problems may be caused.
- ⑨ For the failure of the vent valve, press the inflatable cover switch on the back of the main body and pull out the inflatable air bag.



① Self-diagnosis according to the measurement results and data is very dangerous, please be sure to accept the doctor's guidance.

② If the original parts not provided by the manufacturer may cause safety risks.

## 8. Other functions

### 8.1 Display function

8.1.1 The product shall be able to normally display the blood pressure and pulse measurements.

8.1.2 The product shall be able to display the date and time normally.

### 8.2 Data storage function

In the blood pressure interface, slide up and click to view the measurement record, and the product can display the last 30 measurement records.

### 8.3 Visitor measurement function

The product supports visitor measurement. In visitor measurement mode, the measurement result is visitor data and data will not be recorded.

### 8.4 Error prompt function

order number	type of error	ways of resolution
1	No airbag was installed and detected, showing a reminder of measurement failure	Remind the user to install the correct air bag and watchband according to the size of the wrist circumference, and measure again
2	Incorrect wearing for monitoring indicates a reminder of measurement	Remind the user to wear the watch correctly according to the instructions, and measure again

	failure	
3	Monitor that the air bag installation is wrong, or the air bag is damaged, and display the measurement failure reminder	Remind the user to check the installation status of the airbag to ensure the correct installation. Check whether the air bag is damaged. If there is any damage, replace the air bag in time. Check whether the air road is blocked, do not measure if there is a blockage, and return to the factory for repair
4	When the monitoring signal intensity is weak, the measurement failure reminder is displayed	Remind the user to adjust the measurement position for the measurement
5	Arm activity was monitored to show a reminder of measurement failure	Remind the user to maintain a still position and avoid moving the arm or moving finger, measure again
6	If during the measurement, the measurement is not measured in the illustrated posture, the measurement result can occur	Remind the user to test again according to the correct test method in the manual

	If not, a reminder interface will be given, but you can also view the measurement results	
--	---	--

#### 8.5 Delete data function (reset)

All the data are cleared after the equipment resumes the factory settings. The operation is as follows:

In the function menu or quick Settings interface- -click the Settings icon- -enter the setting function list- -click the system menu- -click to restore the factory Settings- -after confirmation, the watch resumes the factory Settings and the data is cleared.

#### 9. Bright screen and extinguish screen

9.1 In the wearing state, the product has the function of lifting the wrist to light the screen, pressing the side button to light the screen, and clicking the screen to light the screen. Lift the wrist bright screen: the user wears the watch normally, when lifting the wrist, the screen automatically lights up.

Press the side button to light the screen: when the product is off screen, press the top button for the screen. Click the screen bright screen: under the product off-screen state, click the screen, the screen lights up.

#### 9.2 Bright screen time

- 1) By default, the light screen is always lit for 5 seconds  $\pm$  1 seconds.
- 2) Users are supported to customize the constant lighting time of the equipment. The setting options are: 5 minutes, 10 minutes, 15 minutes and 20 minutes respectively.
- 3) If the function does not set the screen time, the default is for 5 minutes.

9.3 In the wearing state, the product has the function of automatic screen extinguishing, wrist extinguishing screen and covering the extinguishing screen.

Drop wrist drop screen: the user wears the watch normally. When the screen is lit up, the user drop wrist can automatically extinguish the screen.

Cover screen: the user wears the watch normally. When the screen is on, the user covers the bright screen and automatically extinguish the screen.

#### 10. Mobile terminal application software



10.1. Software name: Health Zone

10.2. Software operation environment:

1) Hardware configuration:

Android Smart terminal: CPU main frequency 2.2 GHz, RAM 4 GB, ROM 64 GB and compatible; Apple mobile phone: CPU 1.8 GHz, RAM 2 GB, ROM 16 GB and compatible;

2) Software environment: Android: 9.0 and compatible; IOS: 12.4.1 and compatible

3) Network environment:

Bluetooth 5.0 and compatible with 10.3, software functions

10.3.1 Data display (can display daily, weekly and monthly data content) Daily data interface:

1 Content shows the latest blood pressure measurement, the average value of the current test blood pressure, pulse average, blood pressure recording, manual input, and blood pressure measurement (APP combined device end measurement).

2 The chart records the high pressure (systolic pressure) low pressure (diastolic pressure) value for each measurement.

Weekly data interface:

① The content shows the average of the test blood pressure in the latest week, the average pulse value, the basic information of blood pressure in this week, the measurement data, manual input, blood pressure measurement (APP device measurement), and blood pressure record.

② The chart records the value of high pressure (systolic pressure) low pressure (diastolic pressure) measured this week. Monthly data interface:

① The content shows the average value of the test blood pressure in the latest month, the average pulse value, the basic situation of blood pressure in this month, the measurement data, manual input, blood pressure measurement (APP device measurement) and blood pressure record.

② The chart records the value of high pressure (systolic pressure) low pressure (diastolic pressure) measured this month.

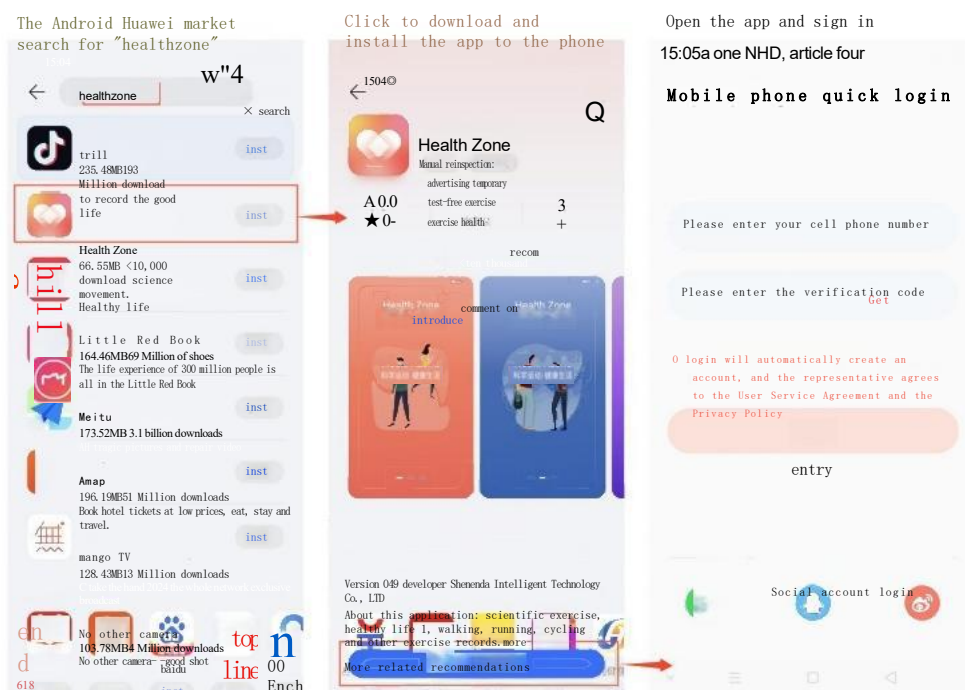
10.3.2 The software shall be able to initiate blood pressure measurement.

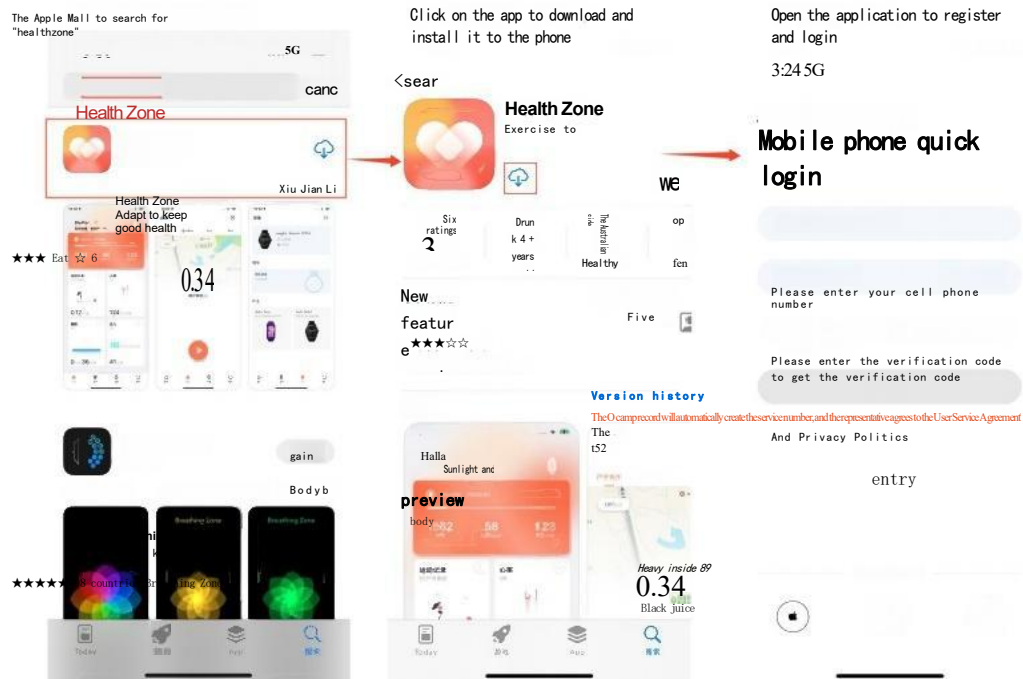
10.3.3 The software shall be able to view the storage of blood pressure measurement data records.

10.3.4 The software shall be able to manually add the users blood pressure, including date, measurement time, blood pressure, pulse value, and activity before measurement, as a reference for blood pressure measurement.

10.4. Operation steps of mobile terminal application software:

1) Download: Download and install the search "Health Zone" through Huawei, Xiaomi, OPPO, Appbao and Apple market to the mobile terminal.



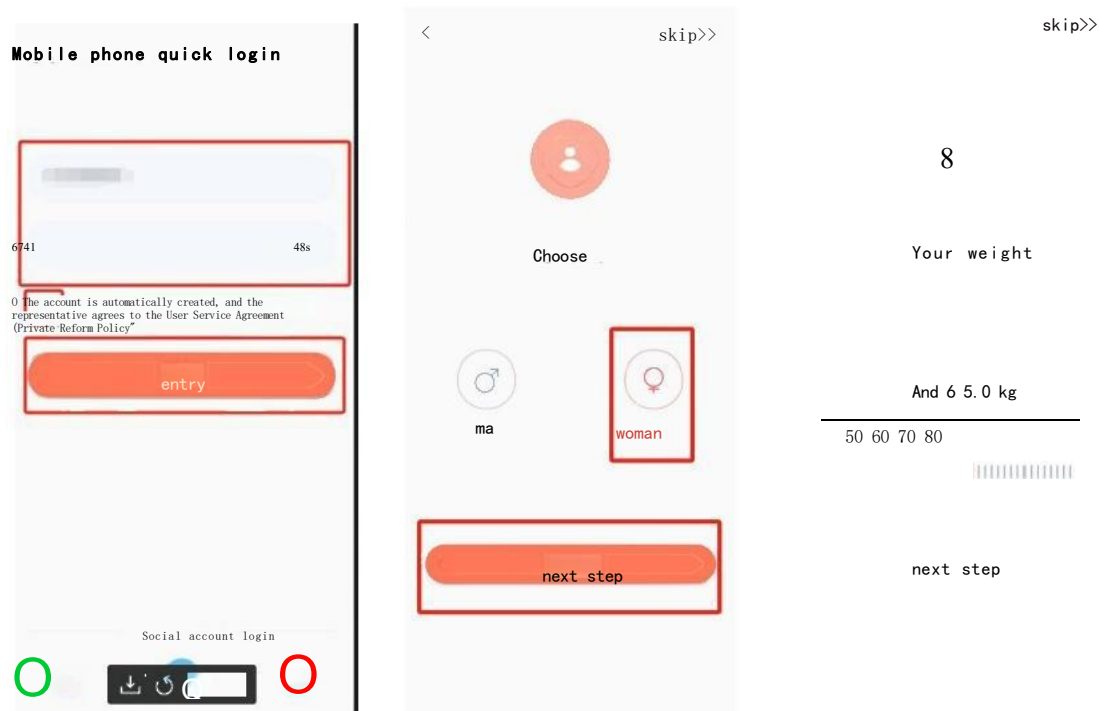


## 2) User registration and login

① User registration: After obtaining the verification code through the mobile phone number when login for the first time, you need to set your personal information to complete the user note

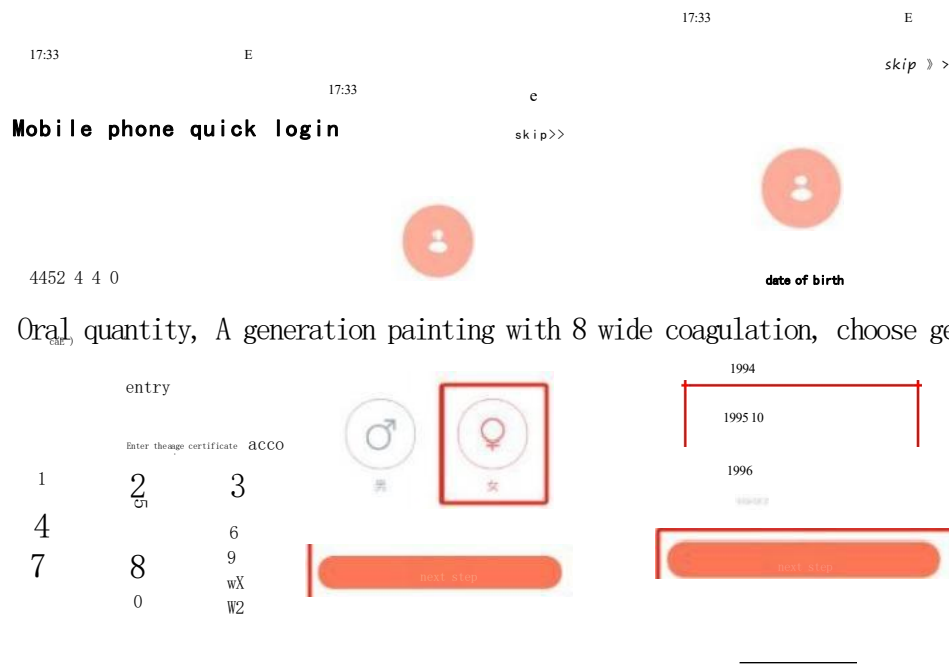
volume;

Android System:

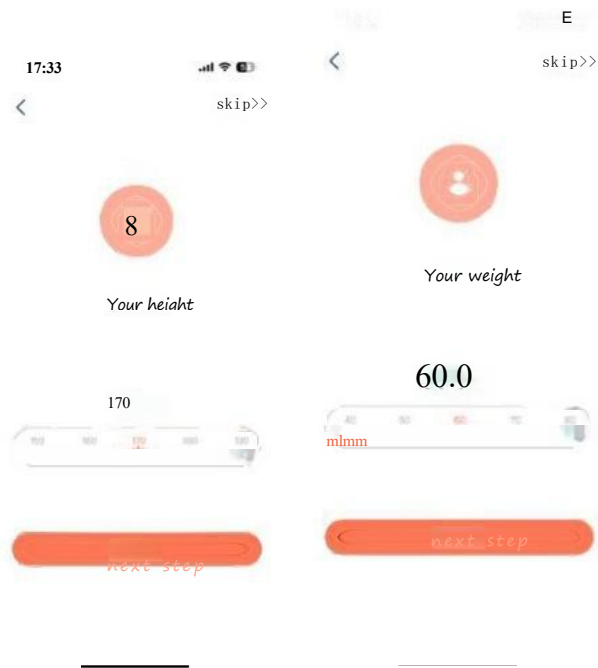




IOS system:



Oral quantity, A generation painting with 8 wide coagulation, choose gender




② User login: input the mobile phone number,  
obtain the verification code for account login.

Android System:

Mobile phone quick login					Mobile phone quick login					Mobile phone quick login picture				
Please enter your cell phone number					1429 32s  The 0 login will automatically create the account, and the representative agrees to the User Service Agreement And the Privacy Policy,  entry					1429  25s  Login automatically creates an account and the representative agrees to the User Service Agreement And the Privacy Policy,  entry				
Please enter the verification code to get the verification code														
0 Login automatically creates an account and representatives agree to the User Service Agreement and the Privacy Policy														
entry														
88☑					88					88				
•@    +	1	2	3	×	•@    +	1	2	3	×	•@    +	1	2	3	☒
	4	5	6	country		4	5	6	④		4	5	6	④
	7	8	9			7	8	9	line feed		7	8	9	line feed
symbol		0	return	The next item	symbol		0	return		symbol		0	return	

IOS system:

<div>Mobile phone quick login</div> <div>Enter your cell phone number carefully</div> <div>Please enter the verification code to get the verification code</div> <div>0 login will automatically create an account and represent the same disk User Service Agreement and Privacy Policy</div> <div>Place a record</div>			<div>Mobile phone quick login</div> <div>0</div> <div>Please enter the verification code to get the verification code</div> <div>The 0 entry automatically creates an account. And the representative agrees to the User Press Service Agreement and the Private Policy..</div> <div>entry</div>			<div>Mobile phone quick login</div> <div>HM</div> <div>9528</div> <div>Relaxed after 51 seconds</div> <div>Record will automatically create the note account. And the representatives agree to the User Service Agreement”</div> <div>Private politics quantity”</div> <div>entry</div>		
Please enter your cell phone number to complete			Please enter your cell phone number to complete			<div>Social account login</div> <div></div> <div>6</div>		
1	2	3	1	2	3			
4 G H I	5	6 MNO	4 G H I	5	6 MNO			
7 PO RS	8	9 wX YZ	7 PO Rs	8	9 wX YZ			
	0	×		0	ridge			

3) View the data display: By clicking the blood pressure icon on the main page of the mobile terminal application software, enter the inside page of the blood pressure details to view the data details;

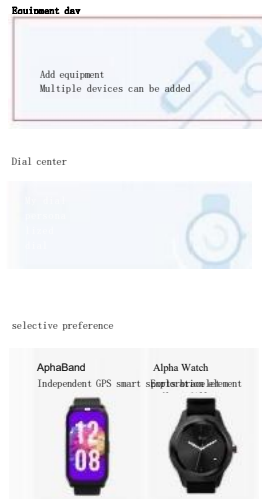
Android System:

<div>equipment B</div> <div>Add equipment</div> <div>Dial center</div> <div>My dial personalized table</div> <div>selective preference</div> <div>Alpha Band Aokawatch GPS single hands ring rhinoceros army without inner soil strong static shout</div> <div>Bean products</div>	<div>Add equipment</div>	<div>watch</div> <div>Apha Watch Accurate measurement of the heart rate watch</div> <div>Beta Watch Color country health watch</div> <div>Gamma Watch Protect the health of blood pressure</div> <div>Beta Watch Lite Intelligent voice assistant</div> <div>Equipment approved approved equipment</div>	<div>Gamma Watch</div> <div>point out</div> <div>Cancel the consent</div> <div>Start the match time</div>
--	--------------------------	--	---



<p>Hello !</p> <p>Sunny, a great day...</p>		<p>blood pressure</p> <p>Day week month</p> <p>June 10, 2024-6816</p> <p>Day ground 103-63 mg</p> <p>Daily average</p> <p>swelling * 80 minutes</p>	<p>Blood pressure from day to day</p> <p>Day, week, week, and month</p> <p>In June, 2024</p> <p>Flat level 1 0 3-6 3 m m</p> <p>The daily average of the lung was 80 min</p> <p>Supercharged diastolic blood pressure</p>
<p>My goal (1,000 Steps)</p> <p>0 Step number of heat</p> <p>0 0.00 (Ka 0 E South km)</p> <p>血压</p> <p>103/63 mmHg</p>	<p>circumference</p> <p>On June 11, 2024</p> <p>The daily average was 103-63 mmHg</p> <p>The average daily pulse rate was 80 / min</p>	<p>111-60mmHg58 / min</p> <p>This broad average blood, this smoke average vein</p> <p>Because of the proportion of blood pressure status</p> <p>Two times</p> <p>Three times</p> <p>0 Times higher</p> <p>View the Detailed Data</p> <p>Measuring blood pressure</p>	<p>111-60mmHg58 / min</p> <p>Average blood pressure this month average pulse spread this month</p> <p>The portion of blood pressure this month</p> <p>2次</p> <p>3次</p> <p>0次</p> <p>High normal or high</p> <p>View detailed dimension data</p> <p>Measuring blood pressure</p>
<p>Edit the card</p>	<p>©103-63mmHg</p> <p>16:09&gt;</p> <p>normal</p> <p>Measuring blood pressure</p>		
<p>box</p> <p>Painting crystal</p>			

## IOS system:



## Xin painting

brilliant

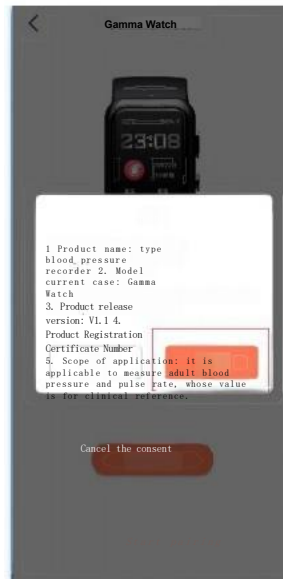
<Add equipment



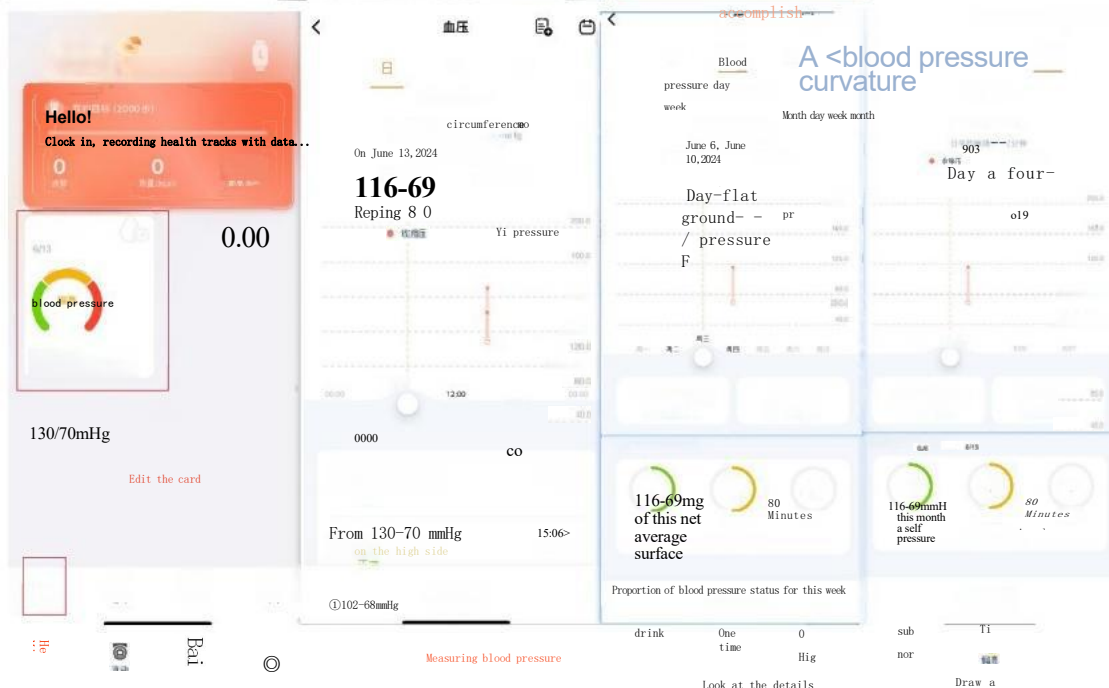
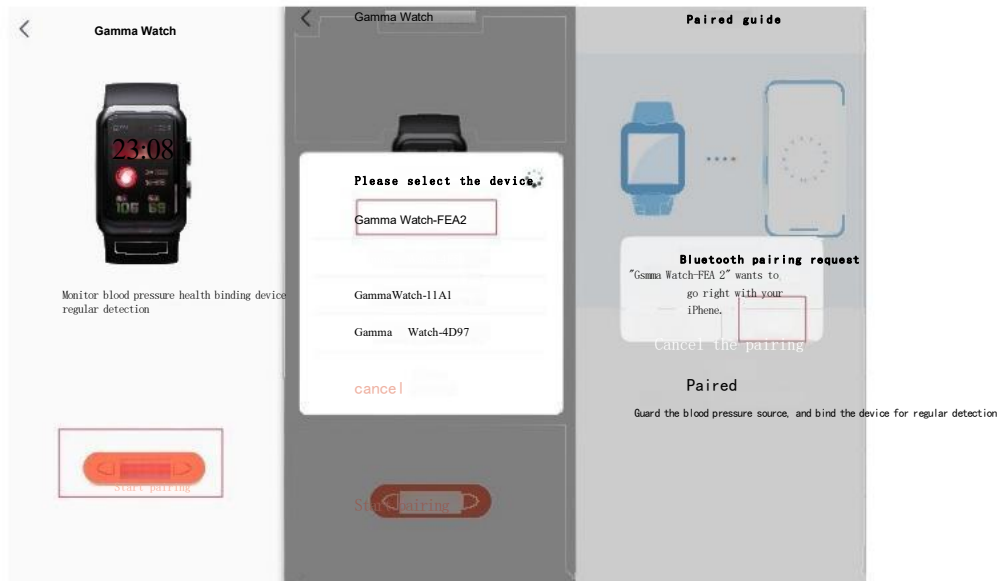
watch



Not that my device was found



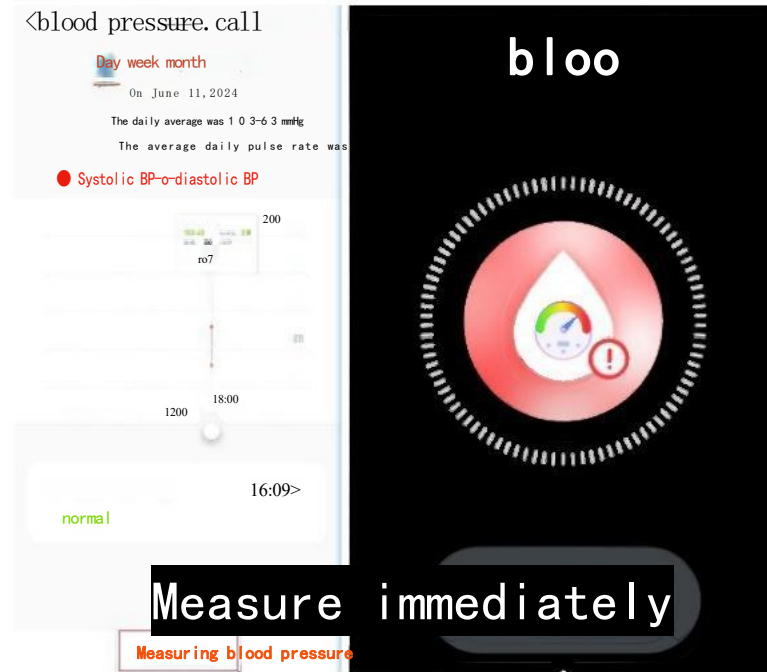




#### 4) Blood pressure measurement:

- ① When the watch is worn, the mobile terminal application software can initiate blood pressure measurement and jointly measure blood pressure;
- ② Click the mobile terminal application software to measure blood pressure, and the recorder end automatically jumps to the blood pressure measurement start interface;

Android System:



IOS system:

<Blood pressure confession

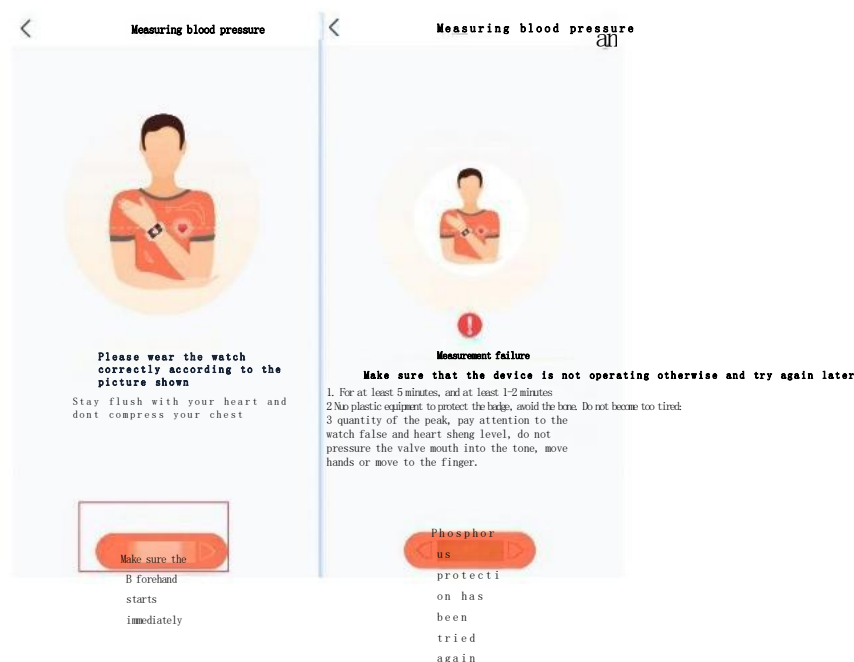


③ The recorder does not allow to pull up the state of linkage (during blood pressure measurement, during exercise);

grapher:



Android System:



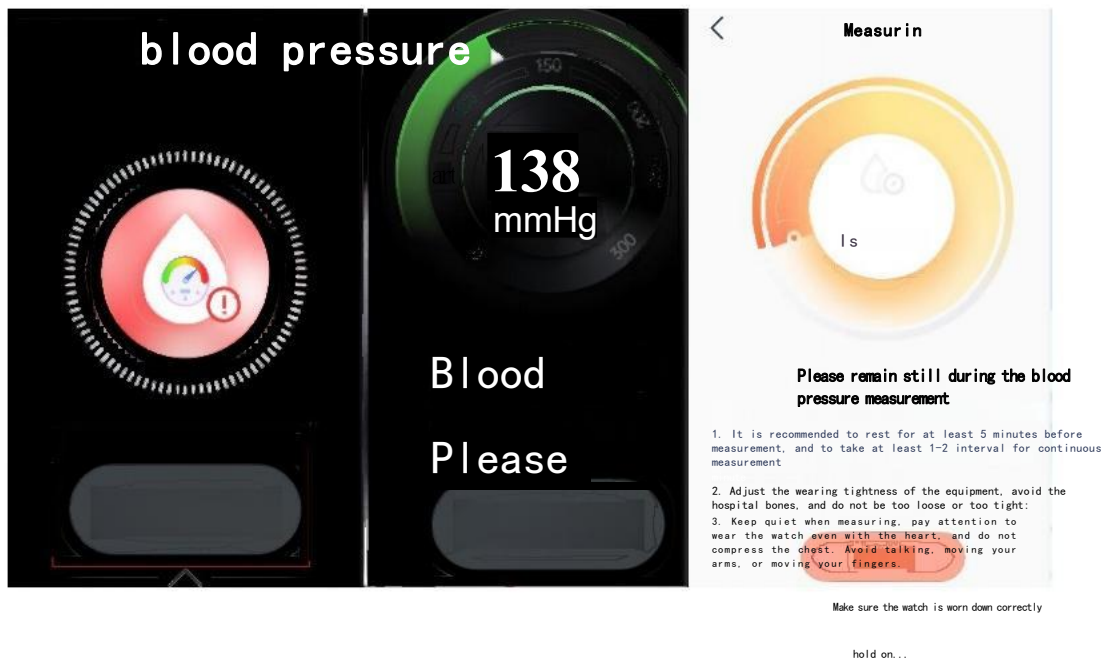
IOS system:



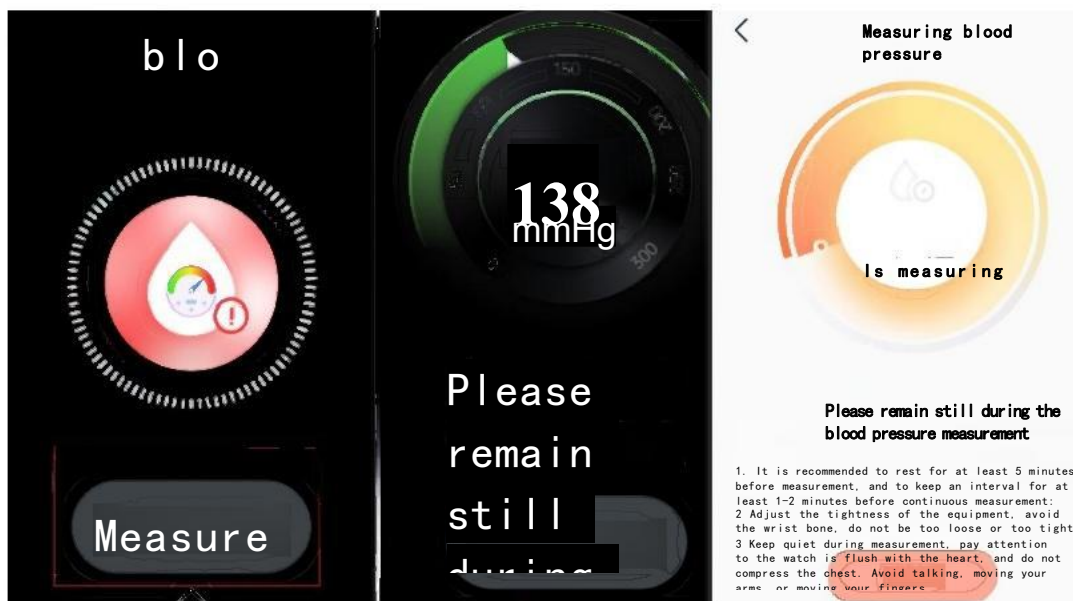
Click the recorder end to make blood pressure measurement, the

After that, the mobile terminal application software synchronously displays the measurement results;

Android System:

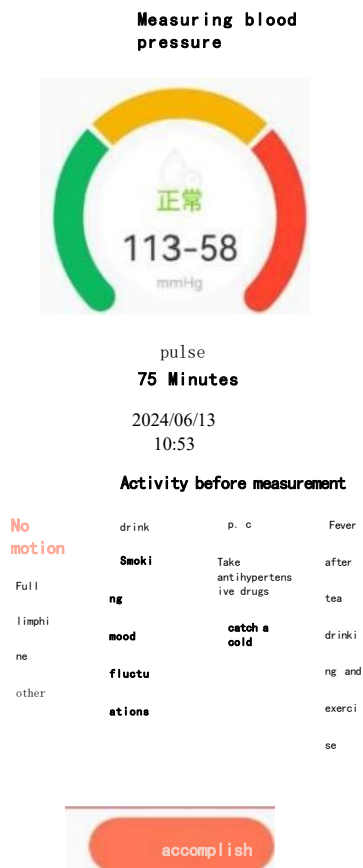


IOS system:



⑤ Measurement results: the measurement results display the measurement interval, measurement value, pulse, date, measurement time, and activities before measurement; after clicking confirmation, the mobile terminal application software does data synchronization and data display;

Android System:



IOS system:

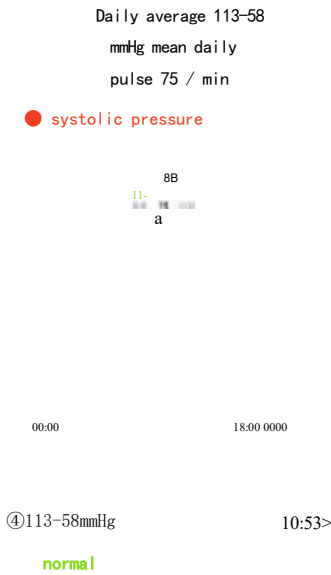
<Measuring blood pressure



blood pressure



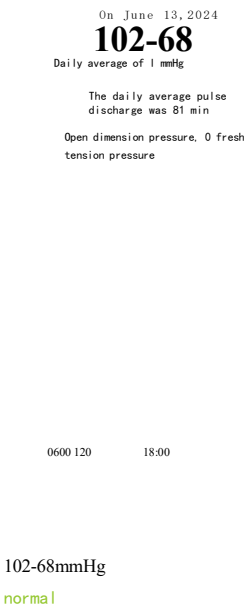
Dan week month



Measuring blood pressure

blood pressure

Day week month



call

200.0

00.00

120.0

15:05>

5) View the measurement record data operation:

- ① On the details page interface to view the measurement data record;
- ② Click on a single record to view the detailed data;



Android

System: <blood

white

Data details

pressure

Day week month

On June 13, 2024

The daily average  
was 113-58 mmHg

The average daily pulse  
rate was 75 / min

● Systolic blood pressure and ○  
diastolic blood pressure 160

N 13, m  
- 75 a  
z7 w

40

00-0006:00 1200 1800 00:00

● 113-58mmHg 10:53>

normal

IOS system:

<blood pressure

Day week month

On June 13, 2024

Flat at 102-68  
mmH

The average daily pulse is 81  
● stretch F

co.0

100.0

1200

800

40.0

1200 18.00

c0:00

① 102-68mmHg  
was normal

15:05>

Measuring blood pressure

6) Manual add user blood  
pressure:

date 2024/06/13

MT 10:54

source GammaWatch-9788

Blood pressure  
(mm H g) diastolic pressure  
systolic pressure 58  
113

Pulse (/ min) 75 / min

Activity before measurement

No drink p. c Feve  
activi smoke Take r  
ty mood antihyperte  
drink swing nsive drugs after  
coffee catch tea  
lie a cold drink  
flat ing  
other and  
exerc  
ise

Data  
details

date 

MT 2024/06/13)

source 15:05)

Blood pressure  
(mmHg) Equipment measurement  
Receive under  
pressure  
102 diastolic pressure  
68

Pulse (/ min)  
81 / minute

Activity before measurement

No disease Measurement p. c  
Bomorphine king Eat blood I had  
plain pin grou pressure a  
other fever  
after

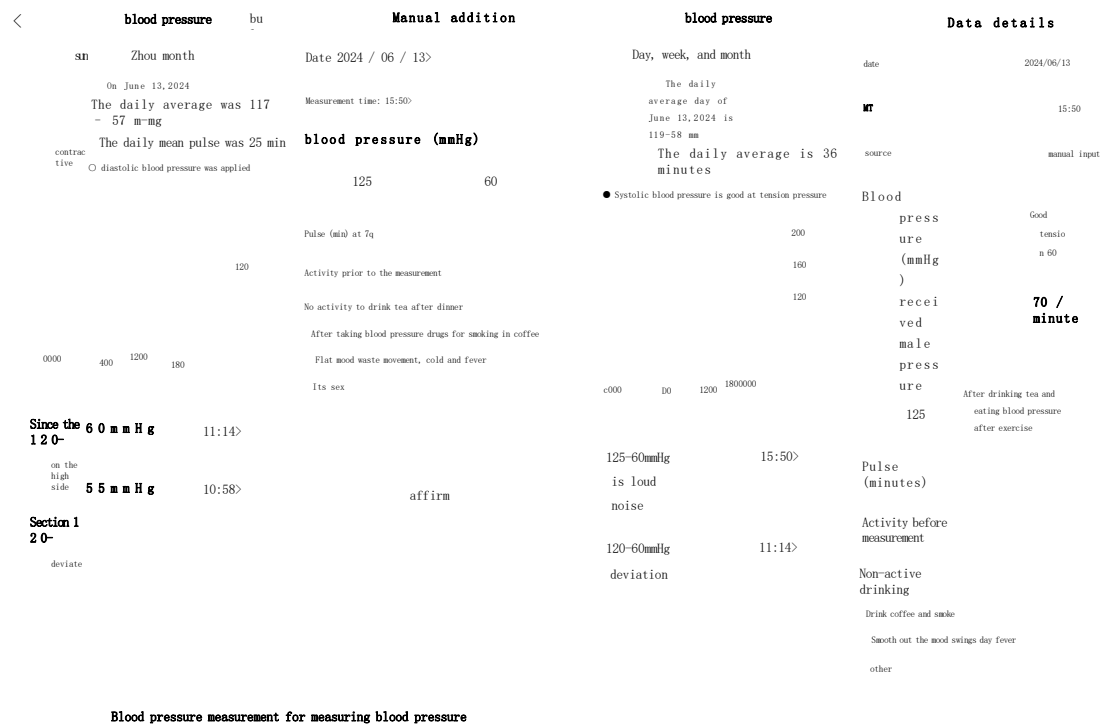
drinking tea

- ① Click the upper right of the details interface of the inside page, to enter the manual add interface;
- ② The date, measurement time, blood pressure, and pulse value can be set;
- ③ The activities before the measurement can be selected: no activity, drinking alcohol, after drinking dinner, drinking tea, drinking coffee, smoking, taking antihypertensive drugs,

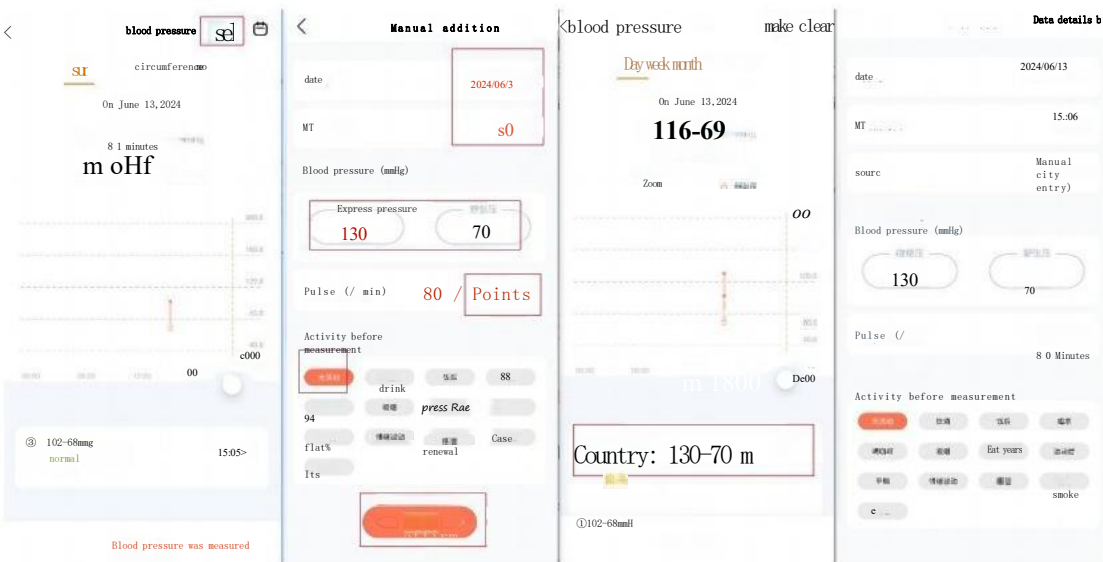
After exercise, lying flat, mood swings, cold, fever, other (can add records);

④ Manually input blood pressure value will be displayed in the chart and recorded accordingly.

Android System:



IOS system:



Warning: Ordinary users do not need to know about this feature, and it is also recommended not to do this operation. The manufacturer

shall not be responsible for the adverse consequences caused by this improper operation. If a static pressure inspection is required, please contact the manufacturer.

## **7. Product maintenance and maintenance**

- (1) Product cleaning and disinfection

If the product is dirty, please clean and disinfect, please wipe with a soft dry cloth stained with about 75% medical disinfection ethanol.

(2) Requirements for the storage and transportation environment

- Ambient temperature:  $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$ ;
- Ambient humidity: 10% RH-95% RH, excluding condensation;
- Atmospheric pressure: 75 kPa-106 kPa;
- No corrosive gas, well-ventilated indoor;
- Transportation requirements according to the order contract, but to prevent severe impact, vibration, rain and snow during transportation.

(3) In the two service rooms after removing the protective packaging, the allowable environmental conditions for transportation and storage are as follows:

- Ambient temperature:  $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$ ;
- Ambient humidity: 10% RH-95% RH, excluding condensation;
- Atmospheric pressure: 75 kPa-106 kPa.

(4) Preventive examination

1) Unbox inspection

- Before opening the box, check whether the outer package is damaged. If there is any damage, inform the manufacturer, record and express it to the manufacturer to confirm on the spot for later treatment.
- After opening the box, check item by item according to the "Configuration List", and inform the manufacturer immediately.

2) Routine examination

Check the product regularly, usually once a month. The specific inspection contents are as follows:

- Check that the connecting components are firmly connected.
- Whether the operating parts such as the operation keys operate flexibly.
- Power-on for operation, start the product, and check whether the product runs normally.
- The equipment is suspended for a period of time, and the routine inspection of the product is also required.

3) Temporary inspection

After maintenance and parts replacement, power operation is required to check whether the maintenance and parts are in normal operation.

(5) Since this product is a medical device electronic product, the product cannot be treated as a general household waste at the end of its service life, and shall be discarded in accordance with the local laws and regulations.

## VIII. Warranty

**1. Host: the warranty period is 1 year from the day of purchase.**

**2. Warranty responsibility division**

If the product is within the warranty period, the company will replace your new product after checking for non-human factors. Other faults caused by abnormal use or force majeure are not within the scope of the warranty.

**3. Warranty specification**

When applying for free maintenance of the products during the warranty period, the user shall present a valid purchase certificate (such as invoice, warranty card, etc.).

When you return the instrument, products damaged due to improper packaging will not be provided for free repair. If one of the following points, the manufacturer is not responsible and is not covered by the warranty.

- 1) Fault and damage caused by fire, earthquake, third-party behavior, failure or misuse caused by users, use under other abnormal circumstances and unpredictable events.
- 2) Collateral damage resulting from the use of the product (e. g. loss of business interest, business interruption, including loss resulting from the use of instruments, costs resulting from the replacement of equipment, devices or services, or claims requested by users).
- 3) Damage caused by operations beyond the instructions.
- 4) Including: situations beyond the control of the manufacturer; services and parts required to solve the use of parts, accessories or substitutes not sold by the manufacturer; and services required to resolve the unauthorized disassembly and assembly of instruments.
- 5) Failure or damage caused by use in the working environment not specified by the product, including exceeding the working load.
- 6) Improper storage of users (such as rodent damage, liquid infiltration, etc.).

## 9. Statement

1. The electronic sphygmomanometer products produced by the company have passed the clinical verification, and their safety and effectiveness meet the relevant national laws and regulations.
2. The blood pressure value measured by the equipment is equivalent to the measured value of the auscultation method, and the error meets the requirements specified in YY0667-2008

Please contact the customer for a verification method.

## X. Waste disposal statement



See the nameplate and the product is 3 years. The battery is a rechargeable battery, which can be fully charged for about 7-10 days, and the battery can be charged and discharged for about 500 times.

Direct abandonment of electronic products and batteries in garbage cans will cause harm to the environment.

Do not discard the trash can at the end of your use. Please discard it according to the local regulations.

## **Xi. Service life and packaging list**





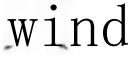

1. Production date: see the product nameplate (SN: XXXX XXXXXX) for details
- 2, product service life: 3 years annual weekly serial number
3. Product packaging list: see the following table for details



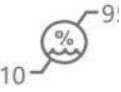





Open the packaging, first check them according to the following packaging list. If there are defective parts, please propose them to the sales staff in time and replace them.



order number	name	quantity	unit	remarks
1.	Wrist blood pressure recorder (including L code airbag + L code strap)	1	individual	
2.	M code strap	1	twig	
3.	Charging cable and magnetic suction charging base	1	twig	
4.	Product instructions for use	1	stem or root of plants	
5.	M code air bag	1	twig	
6.	certificate	1	individual	
7.	warranty card	1	portion	
8.	Wrist circumference measure	1	individual	

### Xii. Interpretation of the graphics, symbols, abbreviations and other contents used in the medical device labels

symbol	Content interpretation	symbol	Content interpretation
	The logo of the key letter Q, English name: Quick Inn function quickly into the meaning of		Key letter HOME, It is the meaning of the switch power button
	Sequence number		BF type application part
	Waste instructions for electronic and electrical products. Waste products shall be disposed of in accordance with the regulations.		Regarding physiological effects, such as excessive inflation can cause compression of the blood vessels, causing irreversible mechanical damage. For a long time Gas, multiple measurements in a short period of time and so on are warnings of damage that can be written down.

	nonionizing radiation		Refer to instructions
20c+5	Upper and lower limits of the storage temperature		Upper and lower limits of storage humidity
Bluetooth®	Bluetooth transmission		callable preferred stock
du 	The outer box stack code shall not exceed 9 layers		upward
	breakable		take shelter from rain
IP67	Waterproof and dustproof grade 67		

### Xiii. Electromagnetic compatibility



pay attention to:

- The wrist blood pressure recorder product meets the relevant requirements of YY9706.102-2021 standard electromagnetic compatibility.
- Users shall install and use the EMC information provided in the random documents.
- Portable and mobile RF communication equipment may affect the performance of wrist blood pressure recorder products, and avoid strong electromagnetic interference, such as close to mobile phones, microwave ovens, etc.
- Guidelines and manufacturer statements are detailed in Attachment 1.
- Basic performance: error limit of sphygmomanometer, repeatability of blood pressure measurement.



warn:

- The equipment shall not be used near or stacked with other products. If it must be used near or stacked, observe and verify the normal operation under the configuration used.
- In addition to the charging cables sold by the manufacturer of this equipment as spare parts for internal components, the use of unspecified accessories and charging cables may cause an increase in the launch of this product or a decrease in immunity.

order number	name	Cable Length (m)	Whether to block	remarks
1	USB cable	0.5	deny	

#### Annex 1:

Guide and the manufacturers statement-electromagnetic

emission		
The equipment is intended to be used in the electromagnetic environment specified below, and the purchaser or user of the equipment shall guarantee that it operates in such an electromagnetic environment need:		
launching test	compliance	The Electromagnetic Environment -A Guide to the
The RF emission is GB 4824	Group 1	The device uses RF energy only for its internal functions. Thus, its RF emission is low and has little chance of interference with nearby electronics
The RF emission is GB 4824	B class	The equipment is suitable for use in all facilities, including home and residential public low-voltage supply grid directly connected to the home.

harmonic emission GB 17625.1	not applicable	
Voltage fluctuation / flicker emission GB 17625.2	not applicable	

Guide and the manufacturers claims for electromagnetic immunity			
The device is intended to be used in the following electromagnetic environment that the purchaser or user shall guarantee in:			
immunity test	IEC60601 Test level	In line with the level	Guide to the electromagnetic environment
electrostatic discharge GB/T 17626.2	$\pm 6$ kV contact discharge $\pm 8$ kV air discharge	$\pm 6$ kV contact discharge $\pm 8$ kV air discharge	The floor shall be wood, concrete or tile, 30% RH.
Electric fast transient pulse group GB / T 17626.4	$\pm 2$ kV, to the power cord $\pm 1$ kV for the input / output lines	not applicable	not applicable
surge GB/T 17626.5	$\pm 1$ kV differential mode voltage $\pm 2$ kV common mode voltage	not applicable	not applicable
Voltage temporary drop, short time interruption and voltage change on the power input line GB/T 17626.11	<5% UT for 0.5 cycles (> 95% decrease on UT) 40% UT for 5 cycles (On UT, 60%) 70% UT, for 25 cycles (on UT, 30%) <5% UT for 5s (On UT, > 95% of down)	not applicable	not applicable


Power frequency magnetic field (50 / 60 Hz) GB/T 17626.8	3A/m	3A/m, 50 Hz	The power frequency magnetic field shall have horizontal characteristics in a typical commercial or hospital setting.
Note: UT is the AC net voltage before the test voltage is applied			
<b>Recommended isolation distance between the portable and mobile RF communication equipment and this equipment</b>			
This device is intended to be used in an electromagnetic environment with controlled RF radiation harassment. Depending on the maximum rated output power of the communication equipment, the purchaser or user may prevent electromagnetic interference by maintaining the minimum distance between the portable and mobile RF communication equipment (transmitter) and (equipment or system) as recommended below.			
The transmitter is the most rated  Large output power / W	Isolation distance / m for the different frequencies of the corresponding transmitter		
	150 kHz~ 80 MHz $d= 1.2 \sqrt{P}$	80 MHz~ 800 MHz $d= 1.2 \sqrt{P}$	800 MHz~ 2.5 GHz $d= 2.3 \sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73

1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For the rated maximum output power of the transmitter not listed in the above table, the recommended isolation distance  $d$ , measured in m (m), can be determined by the formula in the corresponding transmitter frequency bar, where  $P$  is the maximum output rated power of the transmitter provided by the transmitter manufacturer in watts (W).

Note 1: higher frequency range at 80 MHz and 800 MHz.

Note 2: These guidelines may not be suitable for all situations, and electromagnetic propagation is influenced by the absorption and reflection of buildings, objects, and human bodies.

Guide and the manufacturers claims for electromagnetic immunity			
The equipment is intended to be used in the electromagnetic environment specified below, and the purchaser or user of the equipment shall guarantee that it operates in such an electromagnetic environment			
immunity test	IEC 60601 Test	In line with the level	Guide to the electromagnetic environment
RF-conduction GB / T 17626.6	3 V (valid value) 150 kHz ~ 80 MHz	3 V (valid value)	Portable and mobile RF communication devices shall not be used closer to any part of the device than the recommended isolation distance, including cables. The distance shall be calculated by the formula corresponding to the transmitter frequency.
The RF radiation is GB / T 17626.3	3V/m 80 MHz ~ 2.5 GHz	3V/m	<p>The recommended isolation distance is <math>d = 1.2 \sqrt{P}</math> 80 MHz ~ 800 MHz</p> <p><math>d = 2.3 \sqrt{P}</math> 800 MHz ~ 2.5 GHz formula:</p> <p><i>P</i> - the maximum rated output power of the transmitter according to the transmitter manufacturer, in watts (W);</p> <p>And <i>d</i> - the recommended isolation distance in meters (m) in b.</p> <p>The field strength of the fixed RF</p> 

			<p>transmitter is determined by surveying c of the electromagnetic field, at each frequency range d should be lower than the coincidence level.</p> <p>Interference may occur near the equipment marking the following symbols.</p>
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Note 1: Formula at 80 MHz and 800 MHz.

Note 2: These guidelines may not be suitable for all situations, and electromagnetic propagation is influenced by the absorption and reflection of buildings, objects, and human bodies.

A The field strength of stationary transmitters, such as wireless (cellular / cordless) telephone and ground mobile radio base stations, amateur radio, amplitude and FM radio radio and television radio, is not accurately predicted in theory. In order to evaluate the electromagnetic environment of the fixed RF transmitter, the survey of the electromagnetic field should be considered. If the field strength of the site where the equipment is measured is higher than the applicable RF compliance level mentioned above, the equipment shall be observed to verify that it can operate properly. If abnormal performance is observed, supplementary measures may be required, such as readjust the orientation or position of the device.



And b in the entire frequency range from 150 KHz to 80 MHz, and the field strength should be lower than 3 V / m.

#### **X4. Manufacturer information**

Name of the registrant: Shenzhen Fenda Intelligent Technology Co., LTD

Address: Floor 5, north and floor 3 to 5 of Building 2, Phase II, Fenda

Industrial Park, Baoyuan Community, Shiyan Street, Baoan District, Shenzhen

contact number:

After-sales service unit:

Name of the manufacturer: Shenzhen Fenda Intelligent Technology Co., LTD

Production address: 3 to 5 floors, Building 2, Phase 2, Fenda Industrial

Park, Baoyuan Community, Shiyan Street, Baoan District, Shenzhen

Production License Number:

Product Registration Certificate No.:

Product Technical Requirements Number:

Date of instruction manual preparation or revision: October 17, 2023

Manual release version number: V1.0

#### **FCC Warning**

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 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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