User Manual



1.1 Product parameters

ECG chip: Texas Instruments TI PPG chip: HRS 3300 Bluetooth antenna: Taiwan full-wave Waterproof grade: IP67

Precautions

easily scratched and damaged.

Bluetooth: 4.0 BT ceramic antenna

The product can be worn while washing hands, face and swimming

for short time. Do not touch hot water or wear it for underwater swimming.

Please do not disassemble the product arbitrarily: otherwise, there will be

Explosion will occur in the case of fire, so please do not put in the fire.

Please clean the product with cloth and it's not suggested to wash with

The product is not used for diagnosis, treatment and prevention of disease

Please do not allow children or pets to touch with the product to avoid harm

Please use the product under the environment at -5 C ~45 C.

Please operate strictly as per below diagram.

other detergents such as soap and shower gel, etc.

Please do not break or collide product: otherwise, the machine body will be

LCD: 1.3 inches TFT color scree Resolution: 240*240 nixel

interface of watch.

1.2 Use and requirement

Sport information:

calories.

distance

show steps.

long press to enter and put one of your hand on the side steel button test and last 30's. on your phone app

measure automaticly fo 30's to check heart rate

measure blood pressur automaticlly when enter this interface and still for 30'syour phone app

to start any sport mode

Blood pressure:

ECG function:

Sleep monitor: Multi sport mode: shows sleeping long press to enter mul time and quality o sport mode, press agai

Stop watch: long press for 5's to start stop watch and long press again to guit

A: Long press touch screen to turn on

long press to switch the main interface: B: Slide touch screen left and right to switch

1.3 Switch main interface











2.2.1 Notification setting

After connecting with wristband, find [Wristband Management]

8.0 and aboveHardware requirement of mobile: smart mobile of Bluetooth 4.0 and above, open QR code function of mobile to scanQR code on user manual to download "Wear Heart" APP, iOS users can search Wear Heart to download in App Store, and Android



o not scan with WeChat to download directly.

message Anti-lost:

last night

Message reminder

long press to enter

to browse QQ.

WECHAT.SMS

long press the

your phone

interfaceto ring

Power off: long press for 3's v shows YES or NO, choose YES and lone press to power off



The users in Chinese mainland can registerwith phone number while users in foreign countries. Hong Kong, Macao and Taiwan

Onen the APP downloaded in mobile and please register private

Onen APP and enter [Me] interface, click to connect "Wear Heart"

Brighten screen by lifting wrist; the wristband moves to normal

watch looking posture from vertical position, surface angle is

After the mobile connects with device, click firmware download

If upgrade fails midway, please upgrade again after waiting for

30~85° and the screen will brighten automatically.

3 minutes or after charging the wristband.

2.2.3 Firmware upgrade of wristband









2.1 Connect with watch

be opened and there is no other paired device in the Bluetooth of

1.4 Download software/Connect with watch

System requirement of mobile: Android 4.4 and above iOS

on [Me] interface. When Android mobile enters [Wristband can not receive notification.

In [Wristband Management], turn on or turn off brighten screen by s suggested to scan QR code to download APP through mobile browser.





heart rate and save data. The wristband will save historical data watch. If the Bluetooth of mobile is not opened. APP will require to for 7 days by default. After the wristband connects with APP drop. open the Bluetooth. Click OK, enter interface of device search to down to refresh synchronous data on homepage. Click "Calendar" Note: to connect mobile with watch, the Bluetooth of mobile should

mobile. For mobile, do not connect with watch directly in the Bluetooth of mobile If the watch can't be connected after using for a period of time, please cancel all pairings in the Bluetooth of 3.1.2 Health mobile and then connect with watch in APP

blood pressure. FCG

3 1 3 Heart rate Management for the first time, it will prompt opening notification read permission. After selecting OK, open the switch of Wear Heart rate means beats per minute of normal person under Heart on the pop-up page of notification permission. When iOS resting state and it's also called as resting heart rate. In general, system connects with wristband, pairing request will pop up it's 60~100 beats per minute and there are individual differences automatically. Please allow the pairing, otherwise the wristband due to age, gender or other physiological factors.

3 1 APP sports/health

2.2.2 Brighten screen by lifting/turning wrist 3.1.4 Blood pressure

Certain pressure is required to transport human blood to each After wristband remains on interface of heart rate measurement part of body and this pressure is called as blood pressure. The for over 1s. PPG detection will start and measure heart rate. In blood pressure value of normal person is [SBP 90~139mmHq] the end of test, the wristband will vibrate and display test result [DBP 60~89mmHa]. (If the skin color of user is deep, deviation may occur with simple

3.1.5 ECG

1.1 PPG displays heart rate value of offlinetest of get excited in succession. With the change of bioelectricity formal

graph of potential change will be extracted from body surface Click to check sport & health data of friends. through electro-cardiograph (ECG for short) After connecting with wristband, click [Wristband Management] Examination significance of ECG: monitor and examine various [Me] interface of APP to open [Hourly Monitoring of Heart Rate] ne wristband will automatically open PPG hourly monitoring

In each cardiac cycle of heart, pacemaker, atrium and ventricle

diseases such as arrhythmia, atrial hypertrophy, myocardial infarction and myocardial ischemia, etc. Touch electrode plate of 3.2.5 Offline measurement of ECG heart rate wristband with finger of right hand. Circulation loop of electricity passes body and produces various waveforms of ECG. The wristband switches to ECG + PPG display interface.

3.2.1 Measurement calibration

calibration is required. To keep more accurate measurement data. Health interface monitors three human health data; heart rate. please calibrate accurately and input your original blood pressure value precisely.

PPG test, so it's strongly suggested to use one-key measurement

3.2.2 One-key measurement

Open "one-key measurement" interface to measure. Touch metal. key on the surface of device with finger of right hand. *In the case of poor contact, please moisten wrist and finger with

more than 3 groups of data, subsequent test data will water, then test again. automatically cover the earliesthistorical data.

3.2.3 Offline measurement of PPG checking data, it's strongly suggested to use one-key measurement on APP

Test for 30s, wristband vibrates and interface of test completion 3.2 Measurement method If test is successful (display to APP), ECG data will be saved or

result on APP.If test fails (display Fail), please check wearing When measuring with wristband for the first time, measurement

way of wristband and if electrode plate touches with skin. Or moisten skin with water and start test again.

3.2.4 Care/remote check

By adding friends in address book, make real-time monitoring

Touch metal key with finger of right hand for 3s (refer to figure

wristhand. After the wristhand connects with APP and data is s.

vnchronous, upload to cloud server. The user can check test

Prompt: to increase the accuracy of test and convenience of

and sharing the health of family members, relatives and friends

Note: data storage occupies large memory of wristband. For offline measurement of ECG heart rate, the wristband can only

save 3 groups of historical data. Users should promptly connec * During measuring process with APP and keep synchronous data. If offline measurement

B.Do not move body during measuring process such as moving arms, talking, coughing or sneezing, etc.

In the end of measurement

and measurement result may be inaccurate, then measure again as per above descriptions. After ECG measurement. ECG report will be generated. Open any one record of HRV to check ECG report.

posture of body as far as possible.

3.3 Precautions

large differences while measuring. * Important precautions for measuring ECG signal:

electrodes on bottom and

As shown in right figure:

influence signal.

Common problems

and human body while measuring. Please keep consistency of measurement result to a great extent, while sufficient contact between two electrode plates signal quality is limited by measuring method of acquired signal on the bottom of wristband and wrist. If the To obtain good ECG signal and reliable measurement result. wrist issmall, press the surface of both correct measuring method and operation steps are especially ends of wristhand with two fingers to prevent cocking of wristhand, which will lead topoor contact of two

* Before the first time of measurement: A.Wash hands with water to release residual charge and keep

The quality of ECG signal influences the accuracy and

hands moist. If necessary, please eliminate the grease on skin B. Wipe the grease or dust on the surface of metal electrode with

wet cloth. If necessary please clean with alcohol. C.Before measurement, relax and sit down, keep comfortable

D Keep sufficient touch between metal electrode and skin If permitted, rub the electrode on skin for a while to reduce the impedance between skin and computer, and realize good

blood pressure after calibration? A.Keep proper and stable contact between skin and electrode According to experiment, blood pressure of human body has avoid excessive force

linear relation with calibration value, and blood pressure can be estimated through calibration value. Due to individual differences, individual model is different, Individual differences between hypertensive and hypotensive are relatively obvious, so they must measure blood pressure after calibration.

If ECG waveform is in disorder and drifts seriously, heart rate The wristband has no notification such as call reminder.

When Android wristband enters notification setting after connectionfor the first time, reading permission of notification should be ticked. When iOS system connects, pairing should be selected. In notification setting of iPhone, notification permission of phone, SMS, WeChat and QQ should be opened and tick "notification center".

2 Why hypertensive and hypotensive must measure

1 Heart rate is inaccurate or ECG waveform is irregular with Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. It's generally caused by poor contact between electrode plate on wristhand

FCC Caution:

This device complies with part 15 of the ECC 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: 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

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set

forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.