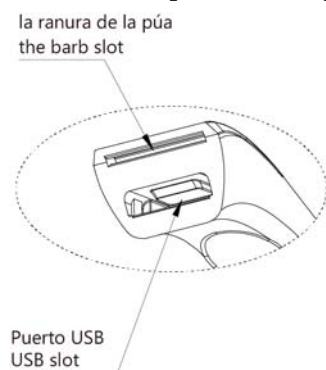
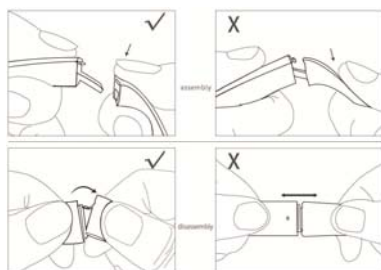


Manual

YWK-P9 Strap dis-assembly and wearing schematic:



Please hold the watch head when assembly



Download APP on mobile phone:

Method one: Scan the below QR

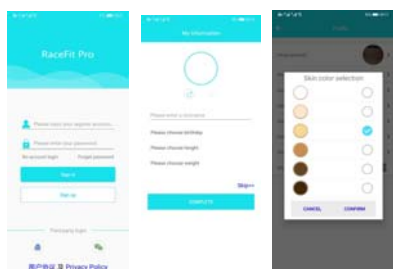


Method two:

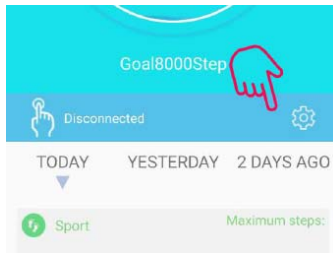
1. For IOS, please search "RaceFit pro" in Apple store, then download and install;
2. For Android, Please search "RaceFit pro" in app Store, then download and install

Registration:

When a new user registers or has no account to log in, app will automatically guide the user to choose skin color, personal information and so on. To ensure the accuracy of the test data, the users should choose the color which is similar to their own skin color, fill in the correct age, height and other personal information to avoid error in test data of HR, Blood Oxygen & HRV.



Activation and binding:



Long press for 5 seconds to power on. Open the phone Bluetooth, APP will automatically guide you to bind the bracelet when you enter "RaceFit pro" at the first time or click "click to connect device" on the main interface.

Specification parameter:

Product model YWK-P9

Display 0.96" IPS TFT Colorful screen

Product size 39.5*20.1*11.7mm

Lens material PC Semi-permeable

Acceleration sensor ROHM 3 axis

Photoelectric Sensors TI4410

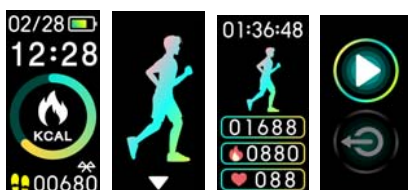
Battery capacity 150mAh

Standby time $\geq$ 480 hours

Bluetooth 4.0 BLE

Waterproof IP67 water resistant

Functions:



1. Power on: long press for 5S to enter into main interface ① in the state of power off. Long press to enter interface to view Bluetooth address and software version. Select the different main interfaces in the "Settings of main interface style" of the APP. Press touch button to sports interface ② , and long press for 3S to enter sports mode . (There are two interfaces in the sport mode: the main interface of sports mode③, pause interface/continue interface/ exit interface ④). Main interface of sports mode begins to record the duration of exercise, steps, calories and heart rate. If there is no operation in 5S at this interface, it will automatically return to the main interface and the screen is off after 1S. When touching the button or wrist-up, the screen will be bright and the display remains in the main interface of sports mode. Switch to the continue interface ④ with a single touch, press to "Designated function" and long press for 3S to enter, then switch to "Exit" interface , long press for 3S to exit the sport mode , after that, sports data will be cleared.



2. Press to step counting interface ⑤ (gif) to display the current steps. The user can set the step goal through the mobile phone. When the user reaches the set value of the sports goal, the display shows ⑥ (gif) on bright screen and the bracelet vibrates , and the factory default value is 10000 steps.
3. Press touch button to the distance interface⑦ to display current Calories.
4. Press touch button to the distance interface⑧ to display current distance.
5. Press touch button to the heart rate interface ⑨ (gif) to start the measurement. The heart rate value will be displayed around 20S and will continue to change. The screen will automatically turn off after no operation for 60S. (Long press the touch button to change the interface)

6. Switch to the blood pressure interface ⑩ to start measurement, and it will display blood pressure data after it is completed. If the blood pressure cannot be measured, it always shows 000/000. The screen is automatically turned off if there is no operation within a total of 70 seconds.

7. Press to the sleep ⑪ interface 11 (gif) to display the duration of sleep last night.

8. Press touch button to blood oxygen interface 12 . The device will be calibrated in 3 seconds. After that, the blood oxygen will be detected, and the blood oxygen data will be monitored in real time for 5 minutes (including the calibration time) and then screen will be off. When wearing test fails, the device will not display the data and the screen will be off. It is necessary to check whether the wearing is correct, and whether the device sensor is close to the skin and there is no light leakage.

Tips: The factors that affect the in accurate measurement of blood oxygen are as follows:

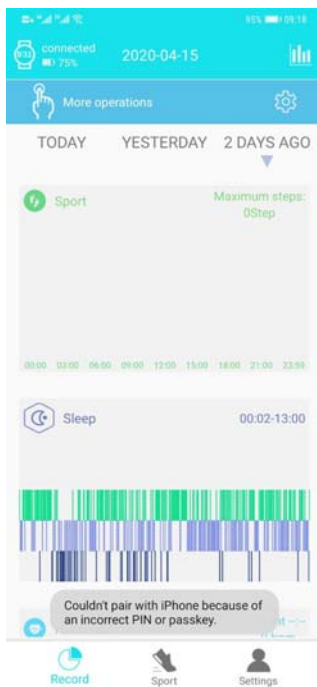
- a. Vascular stains or external coloring products, such as nail polish or colored skin care products.
- b. Swing your arm or exercise.
- c. The sensor is not placed in correct position, which results in a penumbra effect.
- d. Vascular contraction caused by temperature decrease.
- e. Indoor strong light interference.

8. Power off: Press touch button to the power off interface 13 , long press 5 seconds to power off. (If there is no operation in any interface in 5S, the screen is off automatically.)

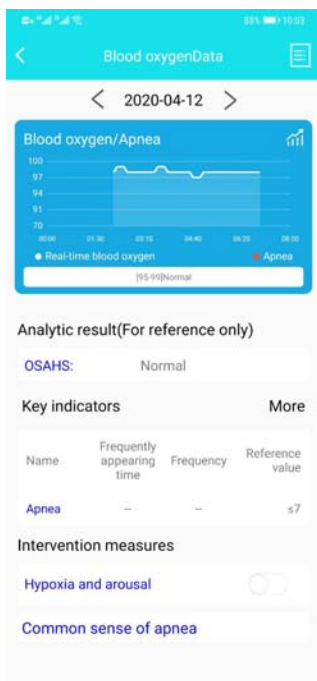
APP data panel:

1. The data panel shows steps, sleep quality, heart rate, blood oxygen, HRV (Heart Rate Variability), etc.

Click on any of the data panel to enter the detailed record interface.



2. Click "Blood oxygen" in the data panel to view the "Analytical data" of blood oxygen. The panel will show the data display, analytic result, key indicators and intervention measures of the wearing day from 00:00 to 07:00. (As shown below ①)



2.1 Click  icon to view the data of every ten minutes and continue to click on a single average value to view the data of every minute in detail. (See the following figure ②, ③)

Time	Apnea(Times)	average value(%)
07:00	--	97
06:50	--	98
06:40	--	98
06:30	--	98
06:20	--	98
06:10	--	98
06:00	--	98
05:50	--	98
05:40	--	98
05:30	--	98
05:20	--	98
05:10	--	98
05:00	--	98
04:50	--	98
04:40	--	98

Time	Apnea(Times)	average value(%)
Max=98,Min=97,average value=98		
06:50	--	98
06:51	--	98
06:52	--	98
06:53	--	98
06:54	--	98
06:55	--	98
06:56	--	97
06:57	--	97
06:58	--	97
06:59	--	97

2.2. In the Analytic data panel, click "More" in the "Key indicators" to display an overall report for each indicator. Click names of each indicator to view the detailed description of terminology, typical symptoms and treatment of each indicator.

Blood oxygenData

2020-04-11

Blood oxygen/Apnea

Real-time blood oxygen

OSAHS: Normal

Key indicators More

Name	Frequently appearing time	Frequency	Reference value
Apnea	--	--	≤7

Intervention measures

Hypoxia and arousal ☒

Common sense of apnea

Blood oxygenData

2020-04-11

Key indicators Pack Up

Name	average value	Max(Min)	Reference value
Blood oxygen	98	99	95-99(%)
Respiratory	17	20	18-26次/分
Hypoxia time	0	0	≤20(s)
Cardiac load	33	50	20-40(pi)
Sleeping activity	18	0	≤20(Mild) 20-50(Hyp eration) 50-80(Dys phonia)

Intervention measures

Hypoxia and arousal ☒

OSAHS

Terminology

It refers to a clinical syndrome of chronic hypoxemia and hypercapnia caused by decreased blood oxygen due to apnea appearing more than 30 times or hypoventilation occurring more than 5 times per hour on average in 7 consecutive hours of sleeping.

Typical symptoms

Clinical manifestations in the daytime:

- 1.drowsiness.
- 2.dizziness and lack of strength.
- 3.abnormal mental state, headache, irritability, temperament, anxiety, etc.
- 4.sexual dysfunction, etc.

Clinical manifestations at night:

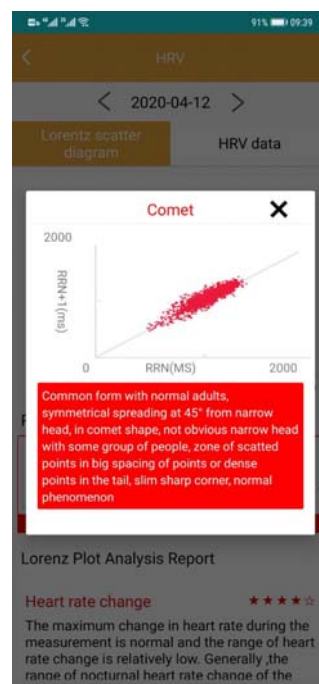
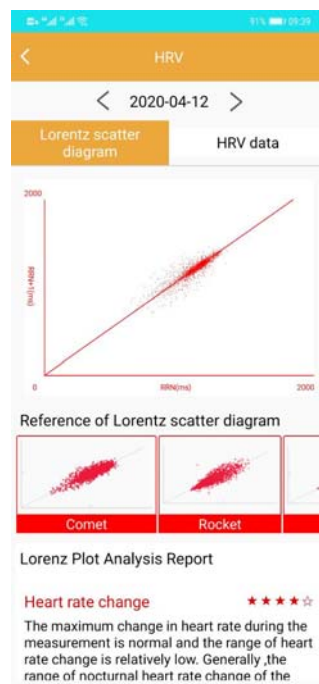
- 1.Snoring: snoring occurs irregularly, and snoring, airflow cessation, panting and snoring occur alternately.
- 2.Apnea: the breath suspends because of

3. Click HRV data panel to view the HRV Health Index. Based on the monitored data to determine whether the user is in an abnormal state such as the physiological state of fatigue, tension or excitement. If the index is

normal, which means the user is in a relaxed state. Select the date of wearing at the top of the data panel to view the HRV data chart for that day. Sliding chart to average value of heartbeat cycle differences.



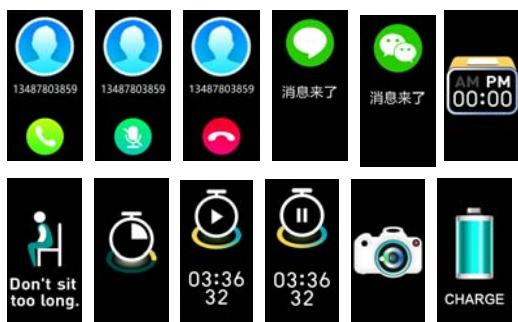
3.1. Click "HRV data" to view average value of heartbeat cycle in every ten minutes and Lorentz scatter diagram (compared to the reference of Lorentz scatter diagram, click to view health status corresponding to each diagram).



1. Click  the bottom of the data panel to enter the SpO2 manual test interface and calibration progress is displayed. When it reaches 100%, the blood oxygen will be detected, and the real-time blood oxygen value is continuously monitored and displayed until pause it manually. Monitoring data will not be saved. When the wearing is incorrect, the measurement will be stopped.

APP 功能设置：设置 - 我的设备 -YWK-P9- 点击进入：

APP functions settings:Settings - My device - YWK-P9 - Click to enter:



1.Click to enter reminder of Call, SMS, WeChat, Facebook, Twitter and so on. After connecting APP with the bracelet, open the reminder option tool. It will remind in the sate of connection.

1.1 Call reminder

After connecting APP with the bracelet, when there is a call on mobile phone, the phone number or caller's name (if in mobile phone address book) and the caller icon① are displayed, and at the same time, bracelet will vibrates, and touch to mute the mobile phone②. If you do not answer the call, the bracelet will continue to display the caller ID and icon until the call is answered or rejected. Long press 3S to hang up the call③.

1.2 SMS reminder

After connecting APP with the bracelet, SMS reminder will display name and content of the message④, and 1 time vibration; the displaying content of the page can be flipped over and viewed by touching the button.

1.3 Instant Social Message reminder: Social apps such as WeChat, Facebook, etc. when receiving message, it

(WeChat[®] as an example) displays the name and content and vibrates once(message reading is based on the trigger button. If the message is not read and the screen is off, it is unread. If there are unread messages, trigger button, reads the message, and then back to the main interface.)

2. Alarm setting

After connecting APP with the bracelet, enter the "Alarm Settings" on the APP, click "+", set the corresponding alarm time, date, label, and then click "√" to set the alarm successfully. It is supported with 20 groups; When the clock is reminded, the alarm label ⑥ will be displayed on the bracelet, and it will vibrate for 10 times. Press the touch button to turn off.

3. Sedentary reminder

After connecting APP with the bracelet, enter the "Sedentary setting" on the APP, set the sedentary "start time" , "stop time" and "how long for reminding?". When the bracelet detects that it reaches preset sedentary time, the screen will display the sedentary icon ⑦ and vibrate twice.

4. Wrist-up light the screen :

After connecting, open the "Turn the wrist" on the APP, the "Start time", "Stop time" and "Sensitivity" of the "Turn the wrist" can be set.

This function is: In the standby state, turn the wrist to light the screen and enter the main interface.

5. Pair device

If there is an account login, open "Pair Device", and the data of two days ago and current data will be uploaded on app. If there is no account login, it will not upload data even though the function is open.

6. Switch settings

click to enter - wear test, blood oxygen nighttime monitoring, HR automatic monitoring, stopwatch function and disconnection reminder.

6.1 Wearing test

After connecting, the "Wear test" switch is turned on. When the bracelet is worn, the human body is detected on wearing. If it is determined that it is not worn, all detection functions will be automatically turned off, and no data to avoid error.

6.2 Heart rate automatic monitoring

After connecting, the "HR automatic monitoring" switch is turned on. The bracelet heart rate is reported to the APP once every 30 minutes. When the switch is turned off, the sensor light at the bottom of the bracelet is not lit, it is not measured, and there is no data on the APP and the background.

6.3 Stopwatch:

After connecting, the "Stopwatch function" switch is turned on, and the stopwatch interface[®] appears on the bracelet(the resident interface, the numbers on the stopwatch are all zero); Long press to the stopwatch interface[®], short press to start the stopwatch, touch the button again to pause, and press 3S to exit in the pause state. (Then the data of the stopwatch interface is zero). When the APP stopwatch function switch is turned off, the stopwatch interface does not appear on the bracelet.

6.4 Blood Oxygen Nighttime Monitoring

After connecting, the device will automatically monitor the blood oxygen data from 00:00 to 07:00 every day after opening this function. When the switch is turned off, there is no light on bracelet and it is not measured. There is no data on the APP and background.

6.5 Disconnection reminder

After connecting normally, When the phone is far away from the safety distance of the bracelet, the bracelet will continue to vibrate to remind you of the loss.

7. Take Photo

Enter into "My Device" On APP and then click the "Take Photo", the phone directly enters into camera mode, the camera icon 11 appears on the bracelet, shakes the bracelet (or clicks the bracelet touch button), the mobile phone automatically takes a photo; click "back" button in the phone to exit the photo mode.

8. Reset device password:

In order to prevent the bracelet from being connected by others, you can set a password on the APP side, open "reset device password" to set, the default password is "0000" for the first use, and then enter the new password, click "Reset Password" to complete setting (when the password is set successfully, the bracelet needs to be bound again). If you need to change the password, the old password is the password set previously. If the password is forgotten, you can press and hold the bracelet for 6 seconds in sleep interface of bracelet and then it will vibrate to clear the password. At this time, the device password is restored to the default password: "0000". When the APP connects to the bracelet again, you do not need to enter the password.

9. Firmware upgrade

When the new version of the bracelet device program is available, connect APP and it will prompt to update.

a.If the upgrade fails and screen of the bracelet

is off, restart the APP and the mobile phone Bluetooth and open the APP to re-bind the device (iPhone needs to ignore the Bluetooth device in the mobile phone settings), search bracelet device name is "DfuLang", rebind and connect, upgrade again.

b. If the screen displays "xxx", it means that the software program of the bracelet has been lost. Please contact customer service for the after-sales service.

10. Clear data

After connecting on APP, click "Clear Data". This will clear all the data in the bracelet and power off. The device password will be back to "0000".

Common problems:

First, solutions of bracelet bind failure:

1. When binding, you need to open Bluetooth, GPS positioning function and mobile phone network.
2. Check if the Bluetooth interface of the mobile phone has been paired. If it has been paired, please unpair it first, then restart the bracelet and the research on APP.

Second, solutions of the Bluetooth frequency disconnect after the bracelet is bound:

1. Bluetooth frequency is disconnected because the APP background running is closed by the mobile smart power saver. You can find the battery management through the mobile phone setting interface, and set it to allow the background operation.
2. In order to avoid manually cleaning up the "RaceFit pro" app, please lock it in the background.

Third, solutions when there is no message notification displayed on bracelet:

1. Check if the notification message function switch on the app is open.
2. Check if the app notification usage right is open. If it is an Android phone, click the question mark in the upper right corner of the APP notification interface to open it.
3. Check if the corresponding APP, WeChat, Facebook, etc. in the notification management in the phone settings enable notification.
4. Check chat app settings if the new message notification is open and the content display is open. After resetting, it is recommended that the bracelet be turned off and restarted to re-bind.

Fourth, can not be charged or the battery is not durable:

1. When charging, unplug the smart bracelet of touch button side and insert it into the USB charging head or charge it on the computer. Be careful not to insert in the reverse.
2. When charging, the display shows battery icon. If it is not displayed, please check if it is inserted or inserted in the reverse. It is recommended to select 5V, 1-2A charging head. The charging duration within 2-3 hours will be good. If the charging time is too short, it will affect standby time and if too long, will affect battery life.

Precautions:

1. Low battery: When the battery is low, the small battery icon on the main interface will flash. After the battery is exhausted, the bracelet will be turned off. Long press 5S, it will be turned on again, the big low power icon will be displayed and flash. The display time is 3S, flashing 3 to 5 times, then the screen will be turned off. If charging at this time, the bracelet is automatically powered on.
2. Charging: When it starts, the charging progress icon  is displayed for 5 seconds and then the screen is off. When need to view, touch bracelet to light it again for 5 seconds and then is off. A single touch can enter

the main interface during charging.

3.A charging environment with a temperature exceeding 60 degrees or higher may cause the device to overheat and deform.

4.This device uses the built-in battery so it is forbidden to disassemble. Please do not drop, collide, squeeze, puncture or cut.

5.Please do not wear this equipment when swimming, diving, and do not operate the device underwater.

6.When the battery is broken or leaks, avoid contact with eyes and skin. Please do not worry when the situation occurs, immediately rinse with water and go to the hospital for examination.

7.The battery is damaged or has aged. Reminder: Please dispose the battery in accordance with local laws and regulations. The battery of this device is a polymer lithium battery that cannot be disposed as ordinary household garbage.

Important reminder:

This product is not a medical device; the data of blood oxygen, heart rate and HRV health index is available for reference. This product is not intended for diagnosis and treatment, but it may have preventive effects. If abnormal conditions occur, please seek medical advice promptly.

Warranty:

To protect your rights and interests, please read this warranty carefully and you will enjoy after-sales service provided by our company.

First, to provide you with better after-sales service, our company promises:

1. Within 7 days from the date of purchase, if the product has quality problems, you can choose to return or

exchange.2. Within 15 days from the date of purchase, if the product has quality problems, you can choose to exchange the goods.

3. Within one year from the date of purchase, if the product has quality problems, we will provide free repairs.

When sending back for repair, please send the warranty certificate (including the warranty card, invoice) and products to our production base. When returning or replacing, please contact the seller and keep the products and accessories, random material and accessories intact.

Second, during the warranty period, our company will not provide free warranty service under one of the following conditions:

1.Human-induced failures, including: failures caused by improper use, maintenance and storage or failure to follow the instructions; failures caused by disassemble of the product or repairs that are not at our production base.

2.Failure caused by irresistible factors (such as fire, flood, earthquake, lightning strike, etc.).

3. Unable to provide warranty certificate or modify the warranty certificate without authorization.

FCC Statement:

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 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 not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.