Dorland Industrial Intrinsically Safe SmartWatch

Quick Guide



Watch@ EX02 Plus

4G Full Frequency



Thanks for Using Dorland Industrial Intrinsically Safe SmartWatch.

Safety Instructions

Ordinary watch are forbidden in explosion hazardous areas where explosions may happen. Such areas include: fuel areas (such as below deck of a ship, fuel or chemical products transportation and storage facilities), locations where the air containing chemicals or particles (such as granule, dust or metal powders) such as gas stations, oil storage tanks. Developed by Beijing Dorland System Control Technology Co., LTD., the industrial intrinsically safe smartwatch Watch@ EX02 Plus adopts advanced technology by Dorland with intrinsically safe circuit, has been tested and certified by China explosion-proof certification body and can meet the requirement of GB3836.1-2010 "explosive atmospheres - Part 1: Equipment-General requirements" and GB3836.4-2010 "explosive atmospheres - Part 4: equipment protection by intrinsic safety 'ib' ". It is suitable for Zone 1 and Zone 2 explosion hazardous areas.

Basic parameters

Explosion-proof grade: Ex ib IIC T4 Gb / Ex ibD 21 T130℃

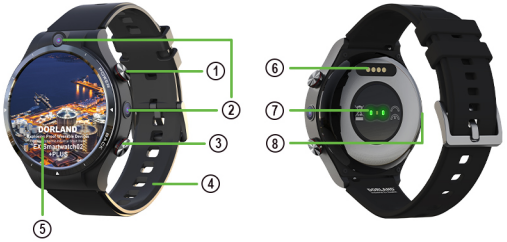
Certification No.: CCRI 19.2284

Protection grade: IP67

Safety Warning

Safety performance of industrial intrinsically safe smartwatch Watch@ EX02 Plus can be guaranteed only in strict accordance with

Product view



1. Power key
2. Double cameras
3. Return key
4. Watch strap
5. Main screen
6. Power interface
7. Heart rate sensor
8. Card slot

the instructions in this section. Please read the instruction carefully before using. If you have any questions, please contact the manufacturer immediately.

Safety Rules

Safety performance of introduced the industrial intrinsically safe smartwatch Watch@ EX02 Plus base the users obey the following rules.

a) The battery for watch is made by the manufacturer specializing in the production of batteries. Only the original battery meets the intrinsically safe requirements. Any other non-original batteries will result in the loss of phone explosion-proof performance. Please make sure to use the original battery. For battery replacement, please contact Beijing Dorland System Control Technology Co., LTD.. The battery for watch is Ex Battery 750/1260 mAh explosion-proof polymer battery.

b) Please use the original charger when recharge battery, and make sure in the safe areas. The maximum charge voltage is 4.2V.

c) Don't replace battery for watch in explosion hazardous areas.

d) Watch can not be used in explosion danger zone 0.

e) Do not use the vibration function of the phone in explosion hazard areas.

f) Please keep away the high-temperature region when using watch.

Failure and damage processing

If Watch@EX02 Plus has lost its safety performance, please stop using in explosion hazardous areas, and ship the failure phones back to the manufacturer for testing.

Situations that may cause failure of Watch@EX02 Plus explosion-proof performance include the following ones:

The product's shell is damaged.

Storage place does not meet the storage conditions.

Damaged during transport.

Explosion-Proof mark is unrecognized.

Other functions fail.

Precautions for use

a) Please fully charge before use, charging time needs 1-2 hours.

b) When charging, the original charging cable must be used. Please keep the magnetic attraction normal during charging.

c) BT is disconnected beyond the distance in the process of use. After bidirectional loss prevention is enabled, the search function can not be used before reconnection.

d) If the watch and the mobile assistant are connected successfully and some functions cannot be used normally, please delete the paired BT information and then connect again. If the connection steps do not follow the instructions, the connection will be abnormal and some functions cannot be used normally.

Basic operation of products
1. The system needs to configure parameters for the first time. Please wait patiently:
a) To set the language, you can go to Settings > language and input method > language > add language to select the language you want.
b) To set body parameters, you can slide into the motion display interface on the main interface, and then click the setting icon to input body parameters.
c) You can slide down the main interface to enter the mobile phone connection display interface, click the mobile phone scan icon, scan the QR code, and download the synchronization software WIIWATCH2.
d) Turn on Bluetooth of mobile phone and watch, scan pairing QR code with synchronization software, and complete the connection between mobile phone and watch. The synchronization software uses BT technology to connect the mobile phone and the machine, which will not bring traffic consumption. The synchronization software can synchronize the relevant information on the mobile phone to the watch shortcut interface, which is convenient for you to read.

2. After power on, long press the power on key to enter the following states:
a) Shut down: Click to shut down the system.
b) Restart: restart the system.

c) Super power saving: when this option is selected, the super power saving button changes from green to gray, indicating that the system enters the super power saving mode. In this mode, the time, power and blue X icons can be displayed. Other functions enter the sleeping state, and the screen cannot slide; Click the blue X icon to exit the power saving mode and return to normal use.
d) Recent task: display the shortcut of used application. You can slide right to close background application and release memory.
f) User installed application display interface square and round switch key: at the top of the menu, you can switch application display to small or full.

3. Basic operation of menu
The area of the dial is small. During the operation, the sliding distance is required to be more than half of the screen diameter, and the starting point of the sliding is close to the edge of the screen.
a) Slide the dial interface from right to left to enter the main menu and select functions.
b) The dial interface slides from left to right to enter the synchronization information interface. You can read the information synchronized from the mobile phone or the prompt information of the machine.
c) Slide the dial interface from top to bottom to enter the shortcut menu of local state.

1) The dial interface slides down to the first page: signal shortcut interface, including communication signal and BT connection status.
2) Slide left to the second page: do not disturb mode shortcut key, brightness shortcut key, raise hand to light screen shortcut key, flight mode shortcut key, data switch shortcut key, GPS switch shortcut key, BT switch shortcut key, WiFi switch shortcut key.
3) Slide left to page 3: background cleanup.
4) Slide left to page 4: music switch, volume up and down shortcut keys.
5) Slide left to page 5: weather display interface. After connecting to the network and updating, click to enter the weather information display of one week.

4. The dial interface slides from bottom to top, the first page displays the weekly data page, the second page displays the step data of the day, the third page displays the mileage of the day, and the fourth page displays the calories consumed of the day.
5. The main menu interface, sliding from left to right, is a push function.

Dial setting
Long press the screen in the dial interface, and the dial will shrink. If you enter the clock type hanging interface, you can change the display effect of the dial without dragging left and right according to your own needs.

Download the new dial (this function requires the use of the network):
In the dial interface, long press the dial to enter and switch other dials. Slide left to the end and click the blue + sign to enter the download interface. You can select the dial you like by sliding up and down. Click the blue down button to download. Press the on / off key to return to the dial interface.

Delete dial
In the dial interface, long press the dial to enter and switch to other dials, slide to the left, click the blue refresh button to find the dial to be deleted, and then click the blue - sign on the seat (only the dial downloaded from the server can be deleted, but the built-in dial of this watch cannot be deleted).

Quick use of products
Download synchronization software
Scan the QR code when you start up, and download the corresponding synchronization software according to your mobile phone.
Be careful: a) This program is only used for the synchronization between the watch and the mobile phone, and will not consume the network traffic of the mobile phone.
b) It is necessary to download the program in WiFi mode.
c) If you have downloaded the relevant software from other channels, please check whether the software version is the latest version and ensure the normal use of the function. Please update the software in time.

Product installation application software
Under WiFi or mobile network, Android version of application can be installed on the machine. The installation steps are as follows:
Enter the app market and download the required applications. During installation, you will be prompted to open the switch in "unknown source" in the "Settings" menu. Click next to install successfully.

BT connection and synchronization function
a) Turn on BT of mobile phone and watch.
b) Open the installed app: wiiwatch2 on the mobile terminal. The steps are as follows:
1) In the watch menu, enter mobile assistant, click connect mobile phone, and the QR code will pop up.
2) Click QR code scan in wiiwatch2 app to scan the QR code of the watch to complete the connection between the watch and the mobile phone.
c) Connection notes:
1) In the process of connection, the Bluetooth of mobile phone and watch need to ensure that they are not paired with other devices.
2) To connect, you need to open the watch QR code and mobile app interface at the same time.
3) Click the "re pairing" button on the app when you need to switch your watch or mobile phone. In other cases, the app will automatically connect.

4) Don't turn on the power saving mode to connect the watch.
5) After the iPhone and watch are connected and paired, if the watch system is reset, please clear the pairing record of the phone and watch.
6) If the watch prompts "abnormal Bluetooth of mobile phone", please switch on and off Bluetooth of mobile phone system again.
7) If only the mobile phone or watch pops up pairing unilaterally, please check whether there are other pairing devices in the Bluetooth system of the mobile phone or watch, clear the connection and then connect again. If not, please restart the mobile phone and watch.

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