Dorland Industrial Intrinsically Safe SmartWatch Quick Guide

Ex Smart04
4G Full Frequency

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 Ex Smart04 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 21.2025
Protection grade: IP67

Safety Warning

Safety performance of industrial intrinsically safe smartwatch Ex Smart04 can be guaranteed only in strict accordance with 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 Ex Smart04 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 Battery049 2080 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 4.35V.
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 Ex Smart04 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 Ex Smart04 explosion-proof performance include the following ones:
a) The product's shell is damaged.
b) Storage place does not meet the storage conditions.
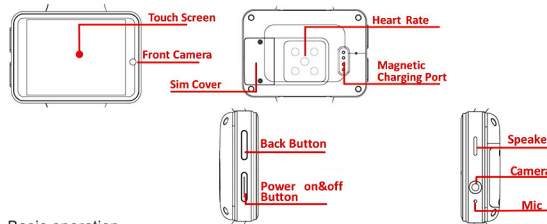c) Damaged during transport.
d) Explosion-Proof mark is unrecognized.
e) Other functions fail.

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Thanks for Using Dorland Industrial Intrinsically Safe SmartWatch

Product view

Basic operation

SIM Card Installation

·To insert the SIM card, you will need to power off the watch first. Then use SIM card is facing inward, as shown in Figure 1 below:
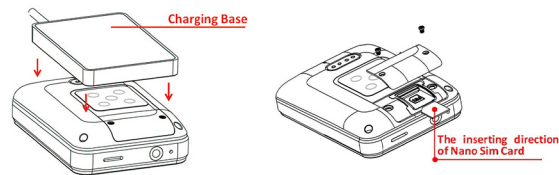·Please note that this watch only supports Nano SIM cards.

Figure 1   Figure 2

Charging the watch

·Please charge the watch for the first time; The watch adopts magnetic suction charging interface. Connect the charging base and then connect the power supply. It is recommended to use the original charger to charge the watch. After charging, please turn off the power and remove the charging base. As shown in Figure 2 above.

First Boot

·Press the power key for 2s, the watch will then show the boot screen. The first time you boot the watch it will take a bit longer to start. This is due to apps getting ready. Please, be patient and do not try to turn off the watch.
Once it finishes, you will be able to choose your preferred language.
·If you want to change the language you can do so going to Settings-> Language and input -> Language.

Power Key Functions

·Long press to turn on.
·Short press to turn off screen display when in state of Clock/Menu.
·Short press to return to home page when in state of secondary menu and less one.
·Press and hold for 2 seconds, in ON state, to enter interface of shutdown / restart / super power saving / recent task selection interface.
·Press and hold the power button for 10 seconds to restart the system if watch crashes.

Back button

Short press once to return to the previous menu interface.

Sliding Operation

·In the watch interface, sliding up will bring up the pedometer interface,

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showing steps and distance during the week. Then, sliding to the left will show steps, distance and calories during from that day.
·In the watch interface, sliding down will show basic information (battery level, date and time, network information and Bluetooth status). Sliding to the left will show the quick toggle menu for WiFi, Bluetooth, rotation lock, brightness, etc. Swiping again to the left will then show the music controls, volume control, temperature and weather.
·In the watch interface, sliding left will show pending notifications.
·By sliding to the right from the watch interface, the main menu will pop up. All apps are available there. Then, sliding one more time to the left you will access the multi-sport menu.

Watch Face
·The main watch screen will show one of the many available watch faces.
·By pressing and holding the screen you will enter the watch face settings mode. You can select or download any of the available watch faces to set it as your default one.
·Except the existed watch faces,sliding left to the end and press"+"to add more watch faces in the service when connect with the network.

Applications list
The basic applications included are: Contacts, Phone, Messaging, Settings, Fitness, Weather, Voice Search, Heart Rate Monitor and Mobile Assistant. (The main function may add or remove based on the real requirement, all should refer to the actual watch).

Main menu functions
Contacts
Add, sync and delete contacts. Before synchronizing the contacts, make

sure Bluetooth is paired with your phone
·Phone / call history / contact list.
·Input the desired phone number and press the call icon.
·In the dialing interface, slide left to access the recent call history.
·In the call history interface, slide to the left to enter the contact list and search the desired contact.

Clock / Timer / Stopwatch / Alarm
·You can check different time zones.
·Sliding to the left will let you access the different timer, stopwatch and alarm interfaces.

Music
·You can play, pause, skip or repeat songs on the watch internal storage.
·Tap the volume icon to adjust it.
·By paring up Bluetooth headphones, you can play music through them.
·To add new songs, simply connect the watch to your computer and copy them to the device internal memory.

Sound Recorder
·Touch the record icon to start recording. Touching it again will end the recording, giving you the option to either save or delete it.
·To play a recording, access the recordings list and choose the one you want to play. To delete it, do a long press on it and click on delete.

File transfer
·Connect the dock to the computer using the provided USB cable. Then, Settings -> Connection -> USB and tap on Transfer files. A new device will appear on the computer, and you will be able to copy files to and from it.

·By opening the file manager, you will see the total and free memory space. By tapping again, you will access the filesystem where your files will be shown. From there, you will be able to see, modify, create or delete files and folders.

Multi-sport mode
·Multi-sports mode includes running, walking, bike riding, basketball, football, ping-pong, badminton and rope skipping. When entering to one of those modes, you will be able to enter the target time, target kilometers and target calories.

Weather
·You will need an active internet connection for it to work. Then, the local weather information will be updated automatically.

Heart Rate
·Before getting in the heart rate menu, make sure you have your watch on your wrist. To get a good result, gently press the watch to your skin. Then, tap the screen to start the test and try not to move until the result appears on the screen.

Mobile assistant
·You can use the remote-control functions (music search and device search) by downloading the app WiiWatch 2 on your phone (explained later).

Settings
·Allows you to control different settings like sound, screen, main menu style, connectivity, gestures, low power mode, language and input, date and time, factory reset, uninstall apps and more.

Language and Input
·Click on it to access the language configuration and choose the desired language. You can long-press the language bar and move it to the first row to change the default language.
·Click to access the virtual keyboard configuration. The keyboards installed by default are: Android Keyboard, Google Pinyin and Voice input. You can choose which one you want to use.

Date and Time
·The date and time will automatically be updated when connected to the internet or using the GPS.
·To adjust the date and time manually, uncheck the "Automatic date and time". You can also uncheck the "Automatic timezone" option. Finally, configure the date and time.

Factory reset
·You can delete all device information and restore the device to a factory state.

About Watch
·In the "About Watch" menu you will be able to find the developer options as well as the status of the watch, model number, Android version and OTA updates.
·OTA updates: Before the update, make sure the watch is at least 50% charged. The updates will only be available via WiFi. To avoid errors, we recommend not using the watch during this process. Once the update has finished, the watch will restart automatically. This can take more than 10 minutes, don't power off the watch, be patient.Once you see the home screen, the update will have finished.

※Download and install WiiWatch 2
·For Android users: the app is supported on Android 6.0 and later. To check your Android version, go to Settings -> About phone.
·For iOS users: the app is supported on iOS 11.1 and later. To check your iOS version, go to Settings -> General -> Information
Method 1: get WiiWatch 2 for iPhone and Android users:
·Mobile Assistant -> click the question mark icon-> Scan the QR code to download and install the app on your phone.
Method 2: get WiiWatch 2 for Android users:
·Search "WiiWatch 2" on Google Play and download the app.
Method 2: get WiiWatch 2 for iPhone users:
·Search "WiiWatch 2" in the AppStore and download the app.
Mobile Assistant connection with WiiWatch 2:
1. Enable Bluetooth both on your watch and your phone.
2. Scan the QR code shown in the watch with WiiWatch 2. Once it's connected successfully the Bluetooth pairing interface will show up.
Finally, WiiWatch 2 will display all the watch information.

Figure 3
3. Once the watch is connected, various functions can be used, such as music contrl, device search, calls and notifications via Bluetooth, etc.

4. Press on Health inside WiiWatch 2 to display the current exercise data, as well as current and previous health rate values stored on the watch.
5. Click the motion interface to freely switch the watch sport mode functions;
6. In the Android phone app, click on the watchface interface to download the watchfaces to the watch; IOS system does not support downloading the watchfaces on the APP.

Tips:
 • The charging wire of the watch is magnetic suction thimble contact. When charging, make sure that the charger is normal and in good contact, and the suction contact position is free of foreign matter and dirt. The battery of this product can not be disassembled. Due to the loss of the product itself, the product may not be started up after being idle for more than a month due to the battery's lack of power. Please charge regularly every week to ensure the normal operation of the equipment.
 • Improper operation may cause the product to crash. Press the power on button for 10 seconds to restart the watch.

Beijing Dorland System Control Technology Co., Ltd.
Add: Room1107, Tower B, Tsinghua Tongfang
        Technology Square, No.1 Wangzhuang Road,
        Haidian District, Beijing, P.R.China
Sales Hotline: +86-10-62164681 / 62198496
Service Hotline: +86-10-62985217
Mobliephone: +8613910650041
Website: www.dorland-tech.com
E-mail: tian@dorland.com.cn

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