Dorland Industrial Intrinsically Safe Smartphone

Quick Guide



iron8

4G Full Frequency

Safety Instructions

Ordinary mobile phones 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 smart phone iron8 has been tested and certified by explosion-proof certification body of China 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 'I' ". It is suitable for Zone 1 and Zone 2 explosion hazardous areas.

Basic parameters

Explosion-proof grade: Ex ib IIC T4 Gb
Certification No.: CCRI 18.2134
Protection grade: IP68

Safety Warning

Safety performance of industrial intrinsically safe smartphone iron8 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 industrial intrinsically safe smartphone iron8 is under the premise that the users obey the following rules.

a) The battery for iron8 is made by the manufacturer specializing in the production of batteries.Only the original battery meets the intrinsically safety requirements. Any other non-original batteries will result in the loss of explosion-proof performance of the phone. Please make sure to use the original battery.For battery replacement,please contact Beijing Dorland System Control Tech Co.,LTD. The battery for iron8 is Ex Battery 018 8000mAh explosion-proof polymer battery.
b) Please use the original charger when recharging battery, and make sure in the safe areas.The maximum charge voltage is 4.2V.
c) Don't replace battery for iron8 in explosion hazardous areas.
d) iron8 cannot be used in explosion danger zone 0.
e) Do not use headset, data cable plug devices in the explosion hazardous areas.
f) Do not use the flash function in explosion hazardous areas.
g) Do not use the vibration function of the phone in explosion hazard areas.
h) Please keep away from high-temperature region when using iron8.

Failure and damage processing

If safety performance of industrial intrinsically safe smart phones iron8 has lost, please stop using in explosion hazardous areas. Please ship the failure phones back to the manufacturer for testing. Situations that may cause failure of iron8 explosion-proof performance include the following ones:
The phone shell is damaged;
Storage place does not meet the storage conditions;
Damaged during transport;
Explosion-Proof mark is unrecognized;
Other functions fail.



1. Headphone plug; 2.Front camera; 3.Distance sensor;
4.Power key; 5.Menu Key; 6.Home key;
7. Back key; 8. USB plug 9.Volume+;
10.Volume-; 11.Camera key; 12. Main camera;
13.Flashlight; 14.Fingerprint unlock; 15.Speaker



Thanks for Using Dorland Industrial Intrinsically Safe Smartphone.

Screen icon

Icon	Description	Icon	Description
	Battery capacity		Vibration mode
	Wifi status		Signal intensity
	Alarm lock		Flight mode
	Data transmission mode		Bluetooth enabled
	Bluetooth data transmission		Application upload
	Wifi data synchronization		Application download

Battery Charging

The mobile phone has a built-in battery. Please make sure to use original charger and USB cable when charging it. Warning tone will prompt that when battery runs low. If power further decreases, the phone will prompt again and power off automatically.

Note: Please power off the phone and cut off all power connected to the phone if you are to install or remove SIM card.

Install SIM/SD Card



Note: The back cover of this phone is not removable.



As shown in the figure, the SIM card and MicroSD card slot are on the right side of the back of the phone. Pull the card to the right and push it back and press it tightly。

Waterproof Strategies

Tail plug waterproof: install tail plugs and check again to make sure that it is tight, so as to be waterproof perfectly;
Preparatory work before entering water:
1. Make sure to install battery cover tightly before entering water.
2. Make sure that there are no hair, grain of sand or other things influencing the closeness of the cover before installing the battery cover.

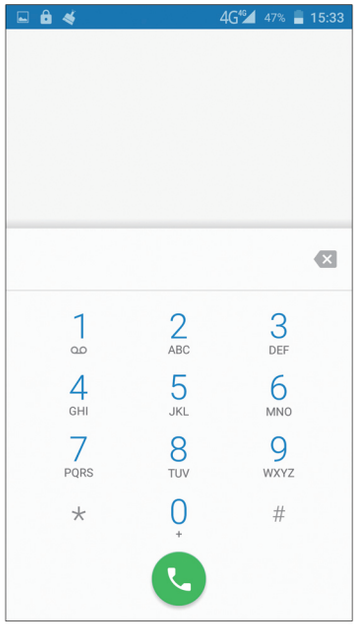
Maintenance methods after getting out of water
1. You should dry the phone completely using a towel or a paper towel before opening it;
2. When you open cover, make sure the cover downwards to prevent water in the tank flowing into the inner positions;
3. Please spin-dry speaker and microphone emphatically, and get them air-dry after the whole phone gets out of water. Drying them with hair dryer is prohibitive.

Prohibition:

1. Do not use in spa or hot water. The waterproof rubber ring can not stand high temperatures, and leads to water inflow.
2. Remember! Do not open the battery cover before the phone is completely dry!
3. Do not clean with detergents and other chemicals. Water is OK.

Dialing pad

In standby mode, click on phone icon and enter into dialing pad. Click the top of dialing pad to hide the interface and you can view contact numbers of call log easily. You can also click the right top of address book to find contact number you want to call, or enter phone number directly in the dialing pad. And then click the phone icon to dial out.



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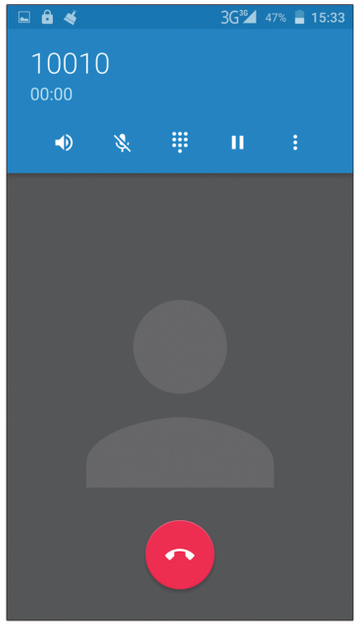
In standby mode, click on phone icon and enter into dialing pad. Click digits to enter phone number. If you input a wrong digit, click on the remove icon on the dialing pad. To end or cancel dialing, click on the hang up icon to hang up the call.



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Using the touch screen

1. Click function: You can select an icon or option by using click function. Such as click phone icon to open the dialing pad on the main screen.
2. Click twice continuously: zoom in and out function. For example, when viewing a picture or web page, you can click twice continuously to enlarge or shrink the picture.
3. Long press function: You can long press the current user interface, icon or input fields for more operating options. Long press an icon in the main menu, the icon will be moved onto the home screen;
Long press the home screen space, the wallpaper can be changed.

Android Tips

1. Screen Snapshots: If you want to capture a snapshot of the screen by a shortcut, please try to push the power key and the volume—button at the same time until you hear a click sound. After the operation is completed the image will be found in the phone gallery.
2. The power saving secrets of Android phones:
Turn off the unnecessary software process:long press HOME button, select the icon and slide left until it disappears; Turn down screen brightness: If you always use your phone, you can turn down the brightness a bit, so you can extend the battery standby time;
Some settings (such as WLAN, GPS, and network data) can be turned off if not required. These functions will consume power if turned on.

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Lock/Unlock

When the phone is locked, the interface will be closed and it will enter into sleep mode. In this way, you can avoid touching the screen unintentionally, and can conserve power. When you do not use the phone, please press power key to lock it. If you have set locking screen time, the phone will lock itself automatically when the time is up.
Press power key to evoke the phone. Slide screen upwards to unlock.



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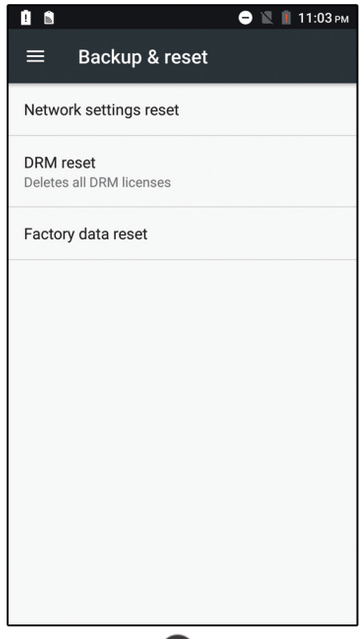
Reset

You must be careful to do this step, because resetting the phone will erase all data, including downloaded and installed applications. Reset will restore the phone to its factory defaults.
On the main menu, click on “Settings> Backup & Reset> Factory data reset> RESET PHONE> ERASE EVERYTHING” and the phone will automatically power off and restart.



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Precautions

- Keep the phone far away from magnetic equipment, for its radiation may erase the information stored on magnetic devices.
- Do not place this phone, battery and charger in containers with strong magnetic field, such as induction cooker and microwave oven, which may cause circuit failure, fire, or explosion.
- Do not place this phone, battery and charger in too high or too low temperature zone, which may cause the product, battery and charger failure, fire or explosion.
- When charging, the battery should be maintained at an ambient temperature between 0 ℃ and 40 ℃. The temperature of battery storage environment should be maintained between -20 ℃ and 60 ℃. If the battery is in hot or cold areas, the battery capacity and life may be reduced. When the temperature is below 0 ℃, battery performance is particularly limited.
- When the phone is close to ears, do not turn it on or off, that is bad to your health.
- To comply with the provisions of RF leakage, when you wear the phone or use its data function, please keep its antenna away from your body at least 1 inch (2.5cm).
- The phone's signal interference may influence the adjacent TV, radio or computer.
- Please comply with RF radiation international norms, please use the designated product accessories.
- When using this phone, please comply with the relevant laws and regulations, and respect others' privacy and legal rights.

Before cleaning and maintenance, please turn it off.
If it is still connected to the charger, you should unplug the charger from the power outlet, and disconnect charger and phone to avoid electric shock, short-circuit of battery or charger.

- Do not disassemble the phone. Only authorized institutions are allowed to repair this product.

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Safety warning

- Please turn it off before the phone is close high-precision control electronic equipment, or it may cause electronic equipment failure.
- Equipments will be influenced by the phone include: audiphones, pacemakers, fire alarms, automatic doors and other automatic control equipments. Users who are using electronic medical auxiliary equipment should confirm whether the radio wave will influence it or not with service center of the equipment.
- Pacemaker manufacturers recommend that the distance between the phone and a pacemaker should be kept at least 15 cm to avoid potential interference. Please do not carry the phone in your breast pocket; Please use the different side ear with pacemaker to anwser calls to minimize the potential interference.
- Please do not bring the phone into the operating room, intensive care unit (ICU) or coronary care unit (CCU).
- In medical facilities where using mobile phones is prohibitive, please follow their instructions and regulations.
- Please pay attention to tone, volume, vibrate settings of the phone, so as not to influence heart disease patients.
- In inflammable and explosive areas, do not remove, install or charge the battery, so as not to cause explosion or fire.

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Enterprise Website

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