

**KIRISUN**  
**DP810&DP815 Digital Explosion-proof**  
**Two-way Radio User Manual**

Please read the Security Information and Warranty Card carefully before using this product.

### Product Overview

### Packing List

No.	Item Name
1	Radio
2	Battery
3	Antenna
4	Adapter
5	User manual
6	Security Information and Warranty Card
7	Explosion-proof safety information card (in English/Chinese/Russian)
8	Lanyard
9	Charger

### Battery Installation

- Specify press the upper end of the back clip to make the back clip pop up.
- Align the battery with the main radio aluminum alloy wrap.
- Lower the battery into the main radio battery slot.
- Push the battery to the correct position.

### Battery/Radio Charging

- Plug the power adapter in the power socket of AC.
- Plug the battery or the power adapter on the back of the socket, and the green indicator glows.
- Plug the battery or radio in the charger. Make sure that the battery is in power contact with the charger terminal, and the red indicator glows.
- After the battery is charged for 5 hours, the red light goes out, indicating that the battery is fully charged. When the green indicator glows, keep the battery on the charger for 1-2 hours before taking it out so as to achieve the optimal performance.
- Take out the power adapter from the socket of AC power outlet.

### Attention:

- The battery is not charged before delivery from the factory, so please charge the battery before your first use.
- If the battery which is stored for over 3 months or one battery is charged for the first time, it should be charged repeatedly to gain full battery capacity. The battery should be at least charged once every three months.
- When the battery is fully charged in the battery power, it above the level of low power alarm. Do not charge the battery, or it may affect the battery life and performance. Please take out the battery from the charger after it is fully charged.
- When the radio enters the state of low voltage alarm, please charge the battery before using it, and do not force to power on the radio in case that the battery life and performance is affected.

### Install/Uninstall Antenna

As shown in ①, align the antenna with the interface at the radio top, and turn it clockwise to fasten. For uninstall the antenna, turn the antenna counter-clockwise as shown in ② to take it out.

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### Install/Remove Back Clip

Align the two screws of the back clip with the two screws holes on the back of the mainframe and tighten them with a screwdriver. When removing, loosen the two back clip screws to remove the back clip.

### Install Accessories

Insert the external audio accessories into the open part and fasten it with screws.

### LED Indicator

LED indicator state	Terminal state
Red light on	Transmitting signals.
Green light on	Receiving a signal (voice, message, data) or detecting activity on the channel.
Orange light on	The radio receives the call within the automatic roam time (during roaming call handover).
Orange light Flashing	The radio is in an alarm state or receives a call prompt, or during a channel scan.
Red light Flashing	The battery is low or receiving an emergency alarm, or the radio fails to start, or is reading/writing emergency.

### LCD Display

Function	Description
POWER/ROTATE	Less power indicates more battery power when the battery is low the icon will turn red.
Signal strength	More bars indicate strong signal and less bars mean weak signal. It only shows up when receiving.
LOW BATTERY	When the battery is low, the icon will turn red.
RECEIVED MESSAGE	When receiving a message, the icon will flash.
PTT	When pressing the PTT key, the icon will flash.
EMERGENCY	When pressing the emergency button, the icon will flash.
SEARCH	When searching for a contact, the icon will flash.
CALL LOG	When viewing the call log, the icon will flash.
CONTACT	When selecting a contact, the icon will flash.
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### Basic Operation

- In the power-off state, turn the knob clockwise until you hear the "pa" sound to power on. The LCD display shows the boot screen, and the backlight turns on automatically. The radio enters a "Dial" time. In the power-on state, turn the knob counter-clockwise until you hear the "pa" sound to turn it off.
- Select channel. In the standby interface, rotate the channel knob to select the channel. Each channel of the radio can be configured as an analog channel or a digital channel, and the channel knob can be rotated to switch between the analog channel and the digital channel.
- Adjust volume. In the power-on state, rotating the power knob can adjust the volume, rotating clockwise can increase the volume, and rotating counter-clockwise can reduce the volume. After rotating counter-clockwise to the minimum volume, if you continue to rotate, the machine will be turned off when you hear the "pa" sound.
- Initiate a call.
  - Initiate a call to default contact.
  - If your device has a default contact in the current channel, you can press and hold the PTT key to initiate a call directly to the default contact.
  - You can preset a default contact for each digital channel through the receiver.
  - Select a contact and initiate a call. Go to the contacts menu, select the contact you want to call in the contact list, and press and hold the PTT key to initiate the call.
  - Dial manually and initiate a call.
  - Go to the contacts menu, choose Manual Dial, and enter the ID you want to call, and press and hold the PTT key to initiate the call.

### Receive a call

When a call is received, the radio automatically switches to the receiving state.

1) LED green light on  
 2) LCD display call type (single call, group call), alias or ID and incoming call icon.  
 3) Play the received voice.  
 4) OK to answer for another user to stop calling, you can immediately press and hold the PTT key to call back the current contact during the call hang time.

Attention:  
 To receive calls from a group, the radio must be set to be a member of the group (the dealer can write through the frequency writing software).

### Emergency alarm

In case of emergency, you can send an emergency alarm message with confirmation and an emergency voice to the specified user group through the emergency alarm function. You can initiate an emergency alarm at any time, even if the current channel is receiving a signal.

### Call log

Through the call logging feature, you can view and manage recent call, incoming call and missed calls. The call record saves only single call and does not record the group call.

### Connect Bluetooth device (optional feature)

There are two ways to connect Bluetooth devices:  
 1) In the search device interface, select a device to connect.  
 2) If there is a Bluetooth device that has been connected to this device before, when the Bluetooth of this device is turned on, it will connect automatically.

### Common Failure and Troubleshooting Methods

No.	Phenomenon	Causes and troubleshooting methods
1	Fail to power on	A. Whether the battery has power. If the battery is insufficient, please recharge or try again with a new battery. B. Whether the power contact is good and the battery terminal is not oxidized. C. Whether the battery is fully charged. D. Whether the battery is correctly inserted into the radio. E. Whether the battery is fully charged. F. Whether the battery is fully charged.
2	Unable to receive signal	A. The low radio frequency does not match, please check the channel with the same frequency. B. The radio frequency is different, please check the radio frequency. C. Out of range.
3	Unable to talk	A. The low radio frequency does not match, please check the channel with the same frequency. B. The radio frequency is different, please check the radio frequency. C. Out of range.
4	GPS does not locate	A. Check whether the antenna is a dual-mode antenna. If not, please use a dual-mode antenna. B. Check whether the GPS setting status is correct. If not, reset. C. The device is in a signal shielded environment, please reposition in an open area.
5	Programming abnormal	A. The connection is incorrect. Check whether the connection is correct. B. Whether the computer USB driver is installed correctly. C. Check whether the software interface board is installed correctly. D. Check whether the software interface board is installed correctly. E. Check whether the software interface board is installed correctly.

CE Warning:  
 1. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.  
 2. The product shall only be connected to a USB interface of version USB2.0 or higher.  
 3. Adapter shall be provided with the equipment and shall be easily accessible.  
 4. The operating temperature of the device can be "around 35°C and should" be lower than 35°C.  
 5. The plug considered an disconnect device of adapter.  
 6. The device complies with IP specifications when the device used at 20cm from the body.

Henry Kirisun Communication Co., Ltd. declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in EU member states.

RFCE Warning:  
 Any Change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.  
 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.  
 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 help.  
 Four controller some exposure or generate in respect des limites d'exposition en milieu professionnel / controls, respectez toujours les procédures suivantes.  
 Des lignes directrices:  
 - Ne restez pas longtemps d'exposition RF de l'appareil.  
 - Les instructions de manipulation de l'appareil doivent accompagner l'appareil lorsqu'il est transféré à d'autres utilisateurs.  
 - N'utilisez pas cet appareil si les exigences opérationnelles décrites ci-dessus ne sont pas satisfaites.  
 Modifi di esempio:  
 This radio is designed for and classified as Occupational/Controlled Use Only. Storing it must be used only during the course of employment by individuals areas of the hands, and the way to receive such hands. NOT intended for use as an General population / uncontrolled environment.  
 DANGER: Operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio. DANGER: Never use more than 20cm lead radio antenna, more than 20cm of the wire can cause RF exposure compliance requirements to be exceeded. This transmitter may operate with the antenna documented in this filing. Push no Talk key body wear configurations. The device complies with RF specifications for the device used 20cm from your head for 30 min from your body.

The final interpretation of this manual is vested in Kirisun.  
 Any product changes shall prevail without prior notice.