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

Antenna
Side key 1
PTT key
Side key 2
Speaker
Digital key

Channel knob
Power/volume knob
LED indicator

Microphone
Up key
Back key
Bump-up key/Back to standby interface key
Down key

LCD display
Menu/OK key
Left key
Dial key

Emergency button

Com port
Back clip
Cover screw
Battery
Battery latch

■ Packing List

No.	Item Name
1	Radio
2	Battery
3	Antenna
4	Adaptor
5	User manual
6	Security Information and Warranty Card
7	Explosion-proof safety information card (for explosion-proof machines)
8	Lanyard
9	Charger

■ Battery Installation

1. Gently press the upper end of the back clip to make the back clip pop up.
2. Align the battery with the main radio aluminum alloy snap.
3. Lower the battery into the main radio battery slot.
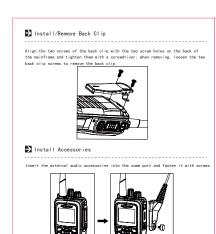4. Push the battery to the correct position.

■ Battery\Radio Charging

1. Plug the power adapter in the proper socket of AC
2. Plug the cable of the power adapter at the back of the socket, and the green indicator gives.
3. 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 gives.
4. After the battery is charged for 5 hours, the red light goes out, indicating that the battery is fully charged. When the green indicator gives, keep the battery one the charger for "2 hours before taking it out so as to achieve the optimal performance
5. Take out the power adapter from the socket of AC power output.

Attention:

1. The battery is not charged before delivery from the factory, so please charge the battery before your first use.
2. If the battery which is stored for over 2 months or a new 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.
3. When the battery is fully charged or the battery power is above the level of low power alert, 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.
4. When the radio enters the state of low voltage alarm, please charge the battery before using it and do not force to power on radio in case that the battery life and performance is impaired.

■ 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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Version: V1.0
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■ Install/Remove Back Clip

Align the screws of the back clip with the two screw 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 comm port 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 reset time (Analog). During call hang time(Digital).
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 is receiving an emergency alarm, or the radio fails to post, or is reading / writing frequency.

■ LCD Display

	Battery indicator. Less space 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.
	High power
	Low power
	Mute
	Unread message
	State message
	Full mailbox
	Paused task
	Emergency mode
	Encryption
	Main Down
	VOX
	Initiating a call
	Receiving a call
	Alarm
	Turn around
	Roam
	GPS enabled, but available GPS data not received
	GPS positioned
	Time rotation, scanning channel
	The scan stays on normal channel
	The scan stays on priority channel 1
	The scan stays on priority channel 2
ID Type:	
	Single call
	Group call
	All call
Button selection:	
	This option selected
	This option unselected

■ Basic Operation

1. 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 emits a "Didi" tone.
In the power-on state, turn the knob counterclockwise until you hear the "pa" sound to turn it off.
2. 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.
Attention:
In the power-on state, rotating the power knob can adjust the volume, rotating clockwise can increase the volume, and rotating counterclockwise can reduce the volume.
After rotating counterclockwise to the minimum volume, if you continue to rotate, the machine will be turned off when you hear the "pa" sound
4. Initiate a call.

1) 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 reseller.
2) 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.
3) 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.

5. 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 icon(single call, group call), alias or ID, and incoming call icon.
3)Play the received voice
4)While waiting 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)

6. 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

7. Call log
Through the call logging feature, you can view and manage resent out call, incoming call and missed calls. The call record saves only single call and does not record the group call.

8. Connect Bluetooth device (non-standard 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. The power connection contact is not good, please remove the battery, reinstall and try again. c. The battery contact is dirty or damaged, resulting in poor contact. Clean the battery contact and try again.
2	Unable to receive signal	a. The two radio frequencies do not match, reselect the channel with the same frequency. b. The CTCSS/DCS signalling are different, so reset them up through computer. c. Out of range.
3	Unable to talk	a. The two radio frequencies do not match, reselect the channel with the same frequency. b. The CTCSS/DCS signalling are different, so reset them up through computer. c. Out of range.
4	GPS does not locate	a. Check whether the antenna is a dual-mode antenna, if not, replace it with 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, if not, install it. c. Poor contact with the headphone interface board, check whether the interface board is good, if not, replace the headphone interface board

Hereby, 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 all EU member states.

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 installed near the equipment and shall be easily accessible.
4. The operating temperature of the device can ' t exceed 55°C and shouldn ' t be lower than -20°C.
5. The plug considered as disconnect device of adapter.
6. The device complies with RF specifications when the device used at 20cm from the body.

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