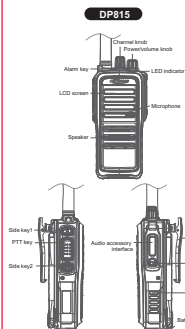




DP810



No.	Name
1	Radio
2	Lithium battery pack
3	Antenna
4	Power adapter
5	Quick Guide
6	Strap
7	Rapid charger

- Press gently the upper part of the belt clip so that it springs up. (Figure 1)
- Align the slot on the Lithium battery pack and the aluminum alloy clip at the back of the radio. (Figure 2)
- Put the Lithium battery pack into the Lithium battery pack holder. (Figure 3)
- Push the Lithium battery pack latch in place. (Figure 4)

2. Connect the power adapter to the Rapid charger and green LED indicator light is on.
3. Put a Lithium battery pack or the radio installed with a Lithium battery pack into the Rapid charger, and make sure the Lithium battery pack is connected to the charging contacts. During charging, red indicator light is on.
4. It takes about 5 hours to fully charge the Lithium battery pack, and then the LED indicator light turns green.
5. Disconnect the power adapter from the socket.

Note:

1. The radio is delivered uncharged. Before using it for the first time, please charge the Lithium battery pack.
2. Always use the supplied Lithium battery pack and several changes.
3. The Lithium battery pack has been tested and found for more than 2 months after charging needs to be charged for several times to achieve its normal life.
4. The charging time and performance of the Lithium battery pack, do not charge if R.F. is fully-charged or before a low-voltage warning. After charging, place the Lithium battery pack out of the Rapid charger. Turn the radio on and use it. The Lithium battery pack cannot be recharged properly if you use the radio while charging it.
5. Connect the radio to the Rapid charger only when the Lithium battery pack is fully-charged. Do not charge the Lithium battery pack with the Rapid charger if the radio is not fully-charged. Do not use the Lithium battery pack life. Do not use the Rapid charger as a holder.

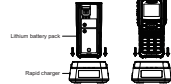
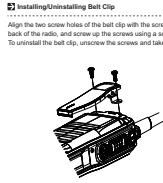
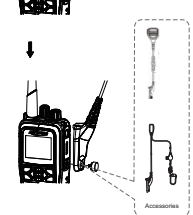


Diagram illustrating the removal of the antenna. Figure 1 shows the antenna being rotated clockwise. Figure 2 shows the antenna being rotated counterclockwise.



and fasten it using the screw.



Kirin Communication Co., Ltd.
3rd Floor, Building A, Tongfang Information Harbour
Road, Xili Street, Nanshan District, Shenzhen, 5180
China

Version: 1.0

167WD6000XX

- (1) Rotate the cover leftwards to the edge of the aluminum housing.
- (2) Push the TF card rightwards and take it out.
- (3) To install a TF card, perform the above operation reversely.



Indicator State	Radio State
Red light on	Transmitting signals
Green light on	Receiving signals, e.g. voice, text messages
Orange light on	and data, or found traffic on a channel
Orange light flashing	Within call hang time (in digital mode) or auto reset time (in analog mode)
Orange light flashing	In emergency state, missed a call, receiving a call alert or scanning
Red light flashing	Low power, receiving emergency alarm, failed startup self-detection, or being programmed

[illegible]

1. **Powering On/Off**
 - To power on the CPE, click the **Power/PowerOn** **CP** dropdown menu.
 - To click the **Power** page, click the **Website page is displayed, the background is on, and there is a beep sound**.
 - To power off the radio, click the **Power/PowerOff** **CP** dropdown menu.
 - To click the **Power** page, click the **Website page is displayed, the background is on, and there is a beep sound**.

2. **Searching a Channel**
 - In standby state, click the **Channel** icon to select a channel.
 - Each channel can be set as an analog or a digital channel, and can be used to receive analog and digital media by routing.
 - (See **Channel** icon.)

3. **Adjusting the Volume**
 - To adjust the volume, click the **Volume** icon to turn the volume up or down.
 - To turn up the volume, or to continue to turn up the volume, click the **Volume** icon.
 - To turn down the volume, or to continue to turn down the volume, click the **Volume** icon.
 - Note: When the volume is adjusted to the minimum volume, the radio will be powered off and will turn down a click.

4. **Making a Call**
 - Click the **Call** icon to make a call.
 - If a default contact is already set for a channel, you can click the contact by holding down the **Call** **PTT** key.
 - You may have a default contact set by your radio for each digital channel.
 - Selecting and Calling a Contact
 - In the menu, select **Call** contact from the contact List, and hold down the **Call** **PTT** key.
 - Calling a Call Contact
 - In the menu, select **Call** contact, select **Call** a contact's ID, and hold down the **Call** **PTT** key.

5. **Receiving a Call**
 - When the radio is in a call state, green LED indicator light is on, the call tone, call alert is on, and incoming call message appears on the screen, and the received voice is played. During the call hanging time and if no voice call is received, you can call back by holding down the **Call** **PTT** key.

6. **Emergency Alarm**
 - In standby state, you can send an alarm message and a voice message to a specific group for help. You can select the alarm anytime even when the radio is transmitting talky.
 - To call help
 - You can check and manage recent outgoing, incoming and missed call logs.

7. **Call Log**
 - You can check and manage recent outgoing, incoming and missed call logs.

8. **GPS Positioning**
 - Through this function, you can view the location information of the radio. The information is updated to the radio in real time.
 - Note: Please enable the function via the CPS, and turn a connect to the GPS.

9. **Operating Mode**
 - The radio can operate under conventional, digital networking and MPT networking. Select a mode through the menu.

2) Troubleshooting

BN	Fault Description	Reason and Solution
1	Power on failed	LR: Low battery or battery is not fully charged. PR: Poor contact between the battery and the wiring terminals of the power supply. IS: Insure the battery is charged. CR: Only battery contacts. CS: Clean battery contacts.

NOTE: To activate a group call, please have the radio set as a group member by your dealer using the CPS.

6. Emergency Alarm

In emergency, you can send an alarm message and a voice message to a selected group for help. You can send the alarm anytime even when the radio is transmitting traffic.

7. Call Log

You can check and manage recent outgoing, incoming and missed individual calls.

8. GPS Positioning

Through this function, you can view the location information of the radio, which can also be updated to a location app server. Please enable/disable this function via the CPS, and turn it on/off through the menu.

9. Operating Modes

The radio can operate under conventional, digital trunking and MPPT trunking modes. Please select a mode through the menu.

SN	Failure Description	Reason and Solution
1	Power-on failed	R: Low remaining battery capacity. S: Charge or replace the battery. R: Poor contact between the battery and the wiring terminals of the power supply. S: Install the battery again. R: Dirty battery contacts. S: Clean battery contacts.

SN	Failure Description	Reason and Solution
1		- R: Different frequencies in Tx-Tx - Frequency pair between both sides - R: Use the same frequency in Tx-RX - Frequency pair between both sides
2	Rx failed	- R: Different CTCSS/DCS codes both sides - R: Use the same CTCSS/DCS code on both sides via PC - R: Beyond communication distance - S: Shorten communication distance
3	Communication failed	- R: Poor antenna contact - S: Install the antenna again - R: Different frequencies in Tx-Tx - Frequency pair between both sides - Use the same frequency in Tx-RX - Frequency pair between both sides - R: Beyond communication distance - S: Shorten communication distance
4	GPS positioning failed	- R: The antenna is not dual-band - S: Use a dual-band antenna - R: Wrong GPS setting - S: Set GPS - R: In a shielded environment - S: Go to an open area
5	Programming error	- R: Improper connection - Connect the radio to a PC properly - R: No USB driver is installed on the PC - S: Install the USB driver on the PC - R: Poor contact of earphone interface board - S: Replace the earphone interface board

2. Mandatory requirement
3. Operation temperature range: -20 °C-50 °C
4. RF exposure information: The device complies with RF exposure requirements when the device is used at 25mm from your body.
5. Declaration of conformity: Kiritsun hereby declares that DP810/DP8 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
6. Power adapter

The adapter shall be installed near the equipment and shall be easily accessible.

This radio is designed for and classified as "Occupational/Controlled Use" (OCU) equipment. It is designed for use only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards; NOT intended for use in an general population/uncontrolled environment

- DO NOT 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.
- DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.
- This transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specified belt-clip and accessory configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm.

CE Certification standards:

IEC 60073-1: 2007 Explosive atmospheres
 – Part 0: Equipment – General requirements
 Explosive atmospheres
 IEC 60073-11: 2011 Explosive atmospheres
 Part 11: Equipment for intrinsic safety “I”
 IECEx Ex marking Ex b IIC T120 C Db
 IP65

Certification No.: IECEx_NEP_22004
 The permitted ambient temperature range: -20°C to +50°C

Approved Accessories:

Accessories	Type Designation	Description
Lithium battery pack	KIC-610-EX	QC 7.4V 2100mAh or QC 7.4V 1900mAh
Reed charger	KIC-810-EX	Um = 150VDC
Remote Speaker	KIC-810-EX-A	/
Microphone	KIC-810-EX-B	/
Emergency	KIC-810-EX-C	/

Conditions for Safe Use	The Lithium battery pack shall only be allowed to be charged via the rapid charger type KBC-810-EX. The Lithium battery pack shall only be allowed to be charged via the rapid charger type KBC-810Q in a non-hazardous area. Remote Speaker Microphone or Earpiece shall only be connected and disconnected in a non-hazardous area, and the accessory connector must be fastened tightly by a screw. The data transfer shall only be allowed via accessory connector in a non-hazardous. Do not use the jack of remote speaker microphone.	Do not charge in hazardous locations! Do not maintain in hazardous locations! Do not open Radios in hazardous locations! Never replace batteries in non-hazardous locations. The radio must be charged at an ambient temperature from 0°C to +45°C.
 WARNING	Do not charge in hazardous locations! Do not maintain in hazardous locations! Do not open Radios in hazardous locations! Never replace batteries in non-hazardous locations. The radio must be charged at an ambient temperature from 0°C to +45°C.	

This document is only for reference, and actual product prevails.
Mitsun reserves the right to the final interpretation of this document.

Transmitter Frequency:	136-174MHz
Receiver Frequency:	136-174MHz
RF-Output Power : ERP/EIRP/Conducted	High power level: 33.01dBm Low power level: 26.99dBm



BE	BG	CZ	DK	DE	EE	IE	EL
ES	FR	HR	IT	CY	LV	LT	LU
HU	MT	NL	AT	PL	PT	RO	SI
SK	FI	SE	NO	IS	LI	CH	TR

FCC Warning:

Any Changes or modifications 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.

ISED Warning

This product meets the applicable Industry Canada technical specifications. / Le présent matériel est conforme aux spécifications techniques applicable d'Industrie Canada.

RF Exposure Compliance and Control Guidelines and Operating Instructions

To control your exposure and ensure compliance with the occupational/controlled environment exposure limits always adhere to the following procedures.

Guidelines:

- Do not remove the RF Exposure Label from the device.
- User awareness instructions should accompany device when transferred to other users.
- Do not use this device if the operational requirements described herein are not met.

Operating Instructions:

- Transmit no more than the rated duty factor of 50% of the time. To transmit (talk), push the Push-To-Talk (PTT) button. To receive calls, release the PTT button. Transmitting 50 % of

the time, or less, is important because this radio generates measurable RF energy exposure only when transmitting (in terms of measuring for standards compliance).

- Hold the radio in a vertical position in front of face with the microphone (and the other parts of the radio, including the antenna) at least one inch (2.5 cm) away from the nose. Keeping the radio at the proper distance is important because RF exposures decrease with distance from the antenna. Antenna should be kept away from eyes.
- When worn on the body, always place the radio in approved clip, holder, holster, case, or body harness for this product. Use of non-approved accessories may result in exposure levels, which exceed the occupational/controlled environment RF exposure limits.
- Use only manufacturer's name approved supplied or replacement antennas, batteries, and accessories. Use of non-manufacturer-name approved antennas, batteries, and accessories may exceed the FCC and IC RF exposure guidelines.
- For a list approved accessories please consult your local dealer for information.

Pour contrôler votre exposition et garantir le respect des limites d'exposition en milieu professionnel / contrôlé, respectez toujours les procédures suivantes.

Des lignes directrices:

- Ne retirez pas l'étiquette d'exposition RF de l'appareil.
- Les instructions de sensibilisation de l'utilisateur doivent accompagner l'appareil lorsqu'il est transféré à d'autres utilisateurs.
- N'utilisez pas cet appareil si les exigences opérationnelles décrites ici ne sont pas satisfaites.

Mode d'emploi:

- Ne transmettez pas plus que le facteur de service nominal de 50% du temps. Pour transmettre (parler), appuyez sur le bouton Push-To-Talk (PTT). Pour recevoir des appels, relâchez le bouton PTT. La transmission à 50% du temps, ou moins, est importante car cette radio génère une exposition à l'énergie RF mesurable uniquement lors de la transmission (en termes de mesure de conformité aux normes).
- Tenez la radio en position verticale devant le visage avec le microphone (et les autres parties de la radio, y compris l'antenne) à au moins 2,5 cm (2,5 cm) du nez. Il est important de garder la radio à la bonne distance car les expositions aux RF diminuent avec la distance de l'antenne. L'antenne doit être éloignée des yeux.
- Lorsqu'elle est portée sur le corps, placez toujours la radio dans un clip, un support, un étui, un étui ou un harnais de sécurité approuvés pour ce produit. L'utilisation d'accessoires non approuvés peut entraîner des niveaux d'exposition qui dépassent les limites d'exposition aux RF de l'environnement professionnel / contrôlé.
- Utilisez uniquement les antennes, batteries et accessoires fournis ou de remplacement approuvés par le fabricant. L'utilisation d'antennes, de batteries et d'accessoires non approuvés par le fabricant peut dépasser les directives d'exposition RF FCC et IC.
- Pour obtenir une liste des accessoires approuvés, veuillez consulter votre revendeur local pour plus d'informations.