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User Manual DP480 Digital Two-way Radio

Kirisun Communication Co.,Ltd.

	DP480 Digital Two-Way Radio
NOTE :	User Manua DP48 Digital Two-Way Rad
	Thank you for choosing Kirisun digital two-way radio. We believe that the product will bring much convenience to your work and life. Kirisun digital two-way radios adopt advanced technology and fine technique. We hop that you will be satisfied with the quality and functions of the product.

User Manual

DP480 Digital Two-Way Radio



Notice

◆ Please read the manual carefully before using the product. We consider that you have acquainted with the manual when you start to use the product.

Please keep the manual well for further reference.

• The intellectual property of all parts of the product, including accessories, is owned by Kirisun and its authorized subjects. Without permission of Kirisun and such subjects, no copy, extraction or translation of such parts is allowed.

• The product is subject to change because of upgrading or improvement. Kirisun reserves the right to change the specifications of software and hardware mentioned in the manual from time to time without prior notification. The specifications and information in the manual is only for your reference.

• Despite of careful verification, the manual might contain mistakes. Kirisun reserves the right of final interpretation of the manual.

Safety Precaution

- ◆ The two-way radio can be repaired only by professional technicians. Users should not disassemble it by themselves.
- ◆ To avoid problems caused by electromagnetic interference or electromagnetic incompatibility, please turn off the radio in a place where you are instructed to do so, for example, a hospital, a health care center and an aircraft.
- ◆ In a vehicle with an air bag, please keep the radio out of the expansion area of the air bag.
- Do not replace or charge the battery in flammable or explosive environment.
- ◆ Please turn off the radio near a blast zone or thunder zone.
- ◆ Do not use the radio if the antenna is damaged, otherwise slight burning might occur when the antenna contacts the skin.
- ◆ Make sure the antenna is installed properly before using the radio. A radio not installed with an antenna is liable to damage while transmitting signals.
- ◆ When the radio is transmitting, keep it vertical and keep the microphone 5 cm away from your mouth.
- ◆ Keep the radio at least 2.5 cm away from your body when the radio is transmitting.

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Battery

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◆ Contact of conductive substance on human body, for example, jewelry, a key and a bead necklace, with an exposed battery terminal may result in damage to personal belongings and injury like burn caused by a high temperature after the battery is short circuited with such substance. Please handle a charged battery carefully, especially when you put it in a pocket, wallet or metallic container. To reduce risk of injury, avoid exposure to fire, disassembly or pressing.

- ◆ The ambient temperature of a power supply unit or a voltage transformer to the charger should not be higher than 40°C (104°F).
- ◆ Turn off the radio before charging it. The battery cannot be charged properly if you use the radio while charging it.
- ◆ Connect the radio to the charger only when the battery needs to be charged. Continuous charging will shorten battery life. Do not use the charger as a holder.
- ◆ For the best battery performance, you are suggested to replace the battery after using it for one year.





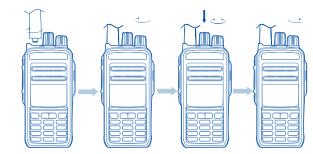
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You may start using the radio simply by taking the following steps.

- 1. Install the antenna: Insert the antenna into the antenna interface and rotate it tight.
- 2. Power on: Rotate the Power/Volume key clockwise.
- 3. Select a channel: Rotate the Channel knob to select a channel.
- 4. Power off: Rotate the Power/Volume key counterclockwise.



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1 Unpacking

Open the packing box carefully and find the parts as listed below. If any item is missing or damaged, please contact the dealer.

1.1 Attachments

Item	QTY
Radio	1
Charger	1
Power Adapter	1
Battery	1
Belt Clip	1
Antenna	1
Hand Strap	1
User Manual	1



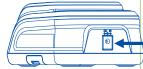
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2 Using the Battery

2.1 About Charging

The radio is delivered uncharged. Before using the radio for the first time, please charge the battery. If the battery is not used for a long time or run out, please charge it before using it again. It is necessary to charge and discharge the battery for two or three times to attain the best performance of it. When you see a warning of low voltage on the radio, please charge or replace the battery.



Note:

- Do not short out battery terminals or discard the battery in fire.
- When charging the battery installed on the radio, please power off the radio so that the battery can be charged fully.
- Please take the radio and battery out of the charger when not charging the battery. Continuous

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charging will shorten battery life.

- Stop charging the battery if it is fully charged, otherwise its cycles of charging and discharging will be reduced.
- ◆ Try to keep the battery indoors under a temperature of about 25℃. The battery is liable to fail after being kept in a low temperature of below -10℃ for a long time.
- ♦ Under a temperature above 35°C or below -10°C, the discharge capacity of the battery might reduce. This is decided by the physical characteristics of lithium battery.

2.2 Charging the Battery

Take the following steps to charge the battery.

1. Plug the power adapter into a socket of AC power of the required specifications.

2. Connect the power adapter to the charger, and the power indicator will be on with green light.

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3. Put a battery or the radio installed with a battery into the charger.4. Ensure the battery contacts well with the charging terminals, and the charging indicator is on with red light.

5. After charging for about 5 hours, the charging indicator turns green. Now the battery is fully charged.

6. After the indicator turns green, wait 1 to 2 hours before taking out the battery or the radio to achieve the best battery performance.7. Disconnect the power adapter from the socket.

Note:

- The radio is delivered uncharged. Before using the radio for the first time, please charge the battery.
- Kirisun KB-75A series of lithium batteries is suitable for the radio.
- For a new battery or a battery that has been stored for more than 2 months, it is necessary to charge it for several times to achieve normal battery capacity. Please charge the battery every

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three months at least.

- To maintain service life and performance of the battery, do not charge a battery that has been fully charged or before a warning of low voltage is shown on the radio. After charging, take the battery out of the charger.
- When you see a warning of low voltage, please charge the battery before using it again. To maintain the service life and performance of the battery, do not power on the radio intentionally.
- A KB-75A series lithium battery has protection circuit inside. When the battery is too low, power supply will be cut. At this time, if the battery is charged, the indicator will not be on immediately but after charging for 1 to 5 minutes.

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3 Installing Accessories

3.1 Installing/Uninstalling the Battery

• Installing the Battery

(1) Press the upper part of the belt clip gently so that it goes up. (Figure ①)

(2) Align the battery with the battery holder at the back of the radio, and then insert the battery. (Figure 2)
(3) Push the battery in the direction indicated until the latch is in position. (Figure 3)

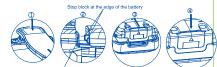
(4) Press the upper part of the battery until it is latched. (Figure ④)

• Uninstalling the Battery

(1) Power off the radio.

(2) Slide the latch in the indicated direction, and the battery will go up. (Figures (1) and (2))





(3) Slice the battery in the indicated direction to take it down. (Figure ③) If the belt clip is installed, please first press the upper part of it so that it goes up.

Note:

Do not short out battery terminals or discard the battery in fire. Do not disassemble the battery casing.

3.2 Installing/Uninstalling the Antenna

To install the antenna, plug the threaded end into the antenna interface, and rotate the antenna clockwise until it is tight. To uninstall the antenna, rotate it counterclockwise.



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3.3 Installing/Uninstalling Belt Clip

To install the belt clip, align the two screw holes on the belt clip with the two at the back of the radio, and fasten the clip using two M2.5x8 machine screws. To uninstall the belt clip, loosen the screws, and then take off the belt clip.

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M2.5*8 screws for belt clip

3.4 Connecting the Earphone (Optional Accessory)

To use an earphone with the radio, open the earphone cover in the upper part on the right side of the radio, and then plug the earphone into the jack.



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SN	Item	SN	Item
1	Antenna		PTT Key Press it to make a call and talk.
3	Upper/Lower Side Key (Programmable Key) Various functions can be realized for the key through programming by a dealer. For details, see 5 Programmable Keys.		Programmable Key (Usually Alarm Key)
5	Speaker Output voice.		Channel Knob Rotate it to select one from channels 1 to 16.

7	Power/Volume Knob Turn it clockwise until a click is heard to power on the radio. Turn it counterclockwise until a click is heard to power off the radio. When the radio is on, turn it to regulate the volume.		LED Indicator Red light on: The radio is transmitting signals. Green light on: The radio is receiving signals. Flashing red light: The battery is low.
9	Microphone Input voice.	10	LCD Screen
11	Digital Key	12	External Interface Connect to an external earphone or programming cable
13	Belt Clip	14	Battery Latch
	•		



5 Programmable Keys

5.1 Programmable Keys

To cater to users' habits of operating the radio, programmable keys (i.e. side keys) are provided, which can be set as shortcut keys through programming by the dealer.

Note:

Press: Press down and release quickly.

Press and hold: Press down and hold still for a period, which is set through the CPS (customer

programming software).

NO	Programmable Function	Function Description
1	None	Press the key, and the radio will not respond.
2	High/Low Power	Switch to high/low power.
3	Monitor	If the CTCSS is enabled for the selected analogue channel, press the key to switch to carrier squelch mode (i.e. cancel the CTCSS). Voice is output when the carrier is matched. Press the key again to go back to the previous state.

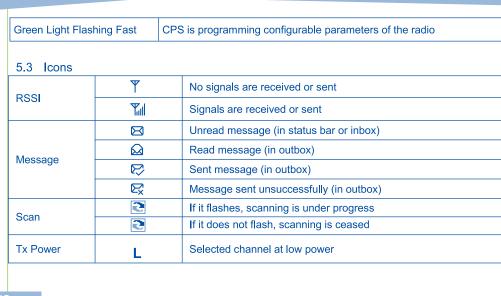
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NO	Programmable Function	Function Description
4 Emergency On		Send an emergency alarm. It is used to seek help under emergency.
5	Emergency Off	Quit the state of emergency alarm.
6	Squelch On/Off	Enable/disable squelch. It can be used to receive week signals in an analogue channel.
7	Squelch Level	Adjust signal strength required to receive signals.
8	Scan	Enable/disable scanning. It is used to monitor the communication on other channels.
9 Call Alert Tones On/Off		Enable/disable all call alert tones.
10	Zone Selection	Switch among different zones. Zones are programmed using the CPS.
11	Repeater/Talk Around	Operate in repeater mode. / Operate in direct mode outside the coverage of repeaters.
12	Nuisance Delete	If you don't need a channel found through scanning, press the key



NO Programmable Function	DN Function Description	
	to delete the channel from the scan list.	
5.2 LED Indicator		
Indicator State	Operating State	
Red Light on	Transmitting signals	
Green Light on Receiving signals		
Red Light Flashing Low battery. Please charge it		
Green Light Flashing Scanning channels		
Orange Light Flashing	In call hang state under digital mode. Exit when hang time is up	
Orange Light on	The channel unusable. Switch to another channel to quit	
Red Light Flashing Fast	CPS is reading configurable parameters of the radio	





н	Selected channel at high power
£	Keypad locked
I »	Alert tones enabled
ч	Alert tones disabled
A	Radio in emergency alarm state (secret alarm excluded), or emergency alarm received
	Length of icon indicates quantity of capacity
Ť	Type of current call
ħħ	Type of current call
ħħħ	All call or broadcast call

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Outgoing Call		Radio initiating a call
Incoming Call	6	Radio receiving a call
Call Hang	C	Radio in call hang state

6 Basic Operation

6.1 Powering On/Off

When the radio is off, rotate the Power/Volume knob clockwise until a click is heard to power on the radio.

When the radio is on, rotate the Power/Volume knob counterclockwise until a click is heard to turn off the radio.

6.2 Selecting a Channel When the radio is on, rotate the Channel knob to select a channel.

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6.3 Adjusting the Volume

When the radio is on, rotate the Power/Volume knob clockwise to increase the volume or counterclockwise to decrease it.

6.4 Initiating a Call

If the selected channel is digital, you can call the default contact for the selected channel by pressing the PTT key. This contact can be set by the dealer through programming.

6.5 Receiving a Call

When the radio receives RF signals on the selected channel and the squelch level is reached, the green LED glows to indicate that carrier is received. When the selected channel is digital channel and when it received individual call, group call or all call, the radio will output the voice from the channel. When the channel is analogue channel and when it received analogue signals with CTCSS matching the one on this channel (or there is no CTCSS set on the channel), the radio will output voice form the

channel.

6.6 Calling Back

When the selected channel is digital channel and after a call is received, press the PTT button within the calling duration to call back. If the calling duration is up, you need to initiate a call. The calling duration can be set by the dealer.

When the selected channel is analogue channel and after a call is received, press the PTT button and speak to the microphone to call back.

6.7 Switching to a Zone

A zone is a collection of channels. You can switch among different channel groups by switching to different zones. The radio supports a maximum of 16 zones, each supporting a maximum of 16 channels.

You can switch to a zone in either of the methods:

1) Enable zone selection on the Program key through Programming, and then switch to a zone by

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6.8 Switching to Mixed Mode

You can set each channel to analogue or A&D (analogue and digital) mixed mode. Rotate the Channel knob to switch between these two modes.

Under analogue mode, some functions are disabled, for example, short message, and corresponding menu items are hidden.

Short Message

The radio can receives and sends messages, each in the maximum length of 300 characters.

7.1 Editing and Sending Short Message1) In the home page, press b to enter the menu.

2) Select "Short Message". 3) Select "New Message". 4) Select "Edit". 5) In the editing interface, you can: a) Start editing from the position of the cursor. b) Enter text using the keypad. c) Press (to move the cursor up/down. d) Press "#" to switch to another input method. Press "*" to switch to lower/upper case. e) Under non-digital input mode, press "1" to enter punctuations. f) Press *I* to delete the first character before the cursor. 6) After editing, press 🕒. Select "Send". You will enter the Contact interface. 8) Select a target contact or manually dial a contact ID, and then press 🕒 to send the message. 9) If the message is sent successfully, "Message sent" will be displayed on the screen with a voice alert; if it is sent unsuccessfully, "Message sending failed" will be displayed with a voice alert.

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10) Return to the Short Message interface.

7.2 Receiving Quick Message

The radio supports a maximum of 20 quick messages (defined by the dealer through the CPS)
You can edit a pre-defined quick message before sending it.
1) In the home page, press is to enter the menu.
2) Select "Short Message".
3) Select "Template".
4) Select a target quick message, and press is.
5) Select "Send" to enter the Contact interface.
6) Select a target contact or manually dial a contact ID, and press is.
7) If the message is sent successfully, "Message sent" will be displayed on the screen with a voice alert; if it is sent unsuccessfully, "Message sending failed" will be displayed with a voice alert.
8) Return to the main menu.

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7.3 Receiving Short Message

When the radio receives a message, the LCD will remind you of the new message and display the icon of unread message in the status bar. You can enter the inbox and read the message.

8 Emergency

Under emergency, you can send a confirmed emergency alarm and an emergency voice message to a specified radio group. You can send an emergency alarm anytime even signals are being received through the selected channel.

The radio supports three modes of emergency alarm.

1) Alarm

2) Alarm with call

3) Alarm with voice to follow

Each mode of emergency alarm has the following types.

1) Siren Only — After the radio enters the emergency state, the siren only sounds locally and the

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control center will not receive any alarm signal.
2) Regular — The radio sends emergency alarm and audio-video alert.
3) Silent — The radio sends emergency alarm but no audio-video alert. When the radio receives speech signals, the speaker will not be turned on until the PTT button is pressed.
4) Silent with voice — The radio sends emergency alarm without audio-video alert. When the radio receives speech signals, there will be no audio-video alert until the PTT button is pressed.

8.1 Sending Emergency Alarm

Press the Program key programmed as the Emergency On key. The icon A will be displayed in the status bar; the alias or ID of emergency group call and the outgoing call icon are displayed.
 When the radio receives an acknowledgement, the LCD will show "Emergency Alarm Succeeded".
 If the radio fails to receive an acknowledgement and when retries run out, the LCD will show "Emergency Alarm Failed".

3) The radio exits emergency mode and returns to the home screen.

Note:

If you radio is set as "Silent" or "Silent with Voice", there will be no audio-video alert. After an emergency alarm with voice is acknowledged, the two parties can communicate though the emergency channel.

For an emergency alarm with voice to follow, the radio MIC will be on to allow the user to talk without pressing the PTT button. The automatic mic activation is called Hot Mic (set by dealer with the CPS).

8.2 Receiving Emergency Alarm

If the radio enabled "Emergency Alarm Indication" feature, it can receive emergency alarm. Otherwise, the emergency alarm will be ignored (set by dealer through the CPS). To receive emergency alarm, the radio must be set as a group member (set by dealer through the CPS).

When the radio receives emergency alarm, the LCD status bar will show the emergency icon A.
 The LCD displays the alias or ID of the emergency radio, the icon of incoming call G. The radio

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8.3 Emergency Off

The radio will exit emergency mode under one of the circumstances listed below.
 Receives emergency alarm response under Alarm mode.
 Emergency alarm retries run out and no response is received.
 Press and hold the Upper/Lower Side key programmed as "Emergency Off".

9 Call Log

Through the call log, you can check and manage recent outgoing calls, incoming calls and missed calls on the radio. The call log records individual calls only.

9.1 Checking Recent Calls

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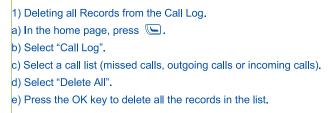
In the home page, press . Select "Call Log". Select a call list (missed calls, outgoing calls or incoming calls). Select a target call record. Select "Details" to check the record details. Press the PTT key to call the contact corresponding to the record.

9.2 Saving ID to Contact List

Select a target record from the Call Log.
 Select "Save" to enter the interface of adding a contact.
 Enter the contact's name.
 Press the Ok key to save the contact.

9.3 Deleting Calls from Call Log

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2) Deleting one Record from Call Loga) Select "Delete".b) Press the OK key to delete the record.c) Select a target record in the call list.

10 Other Basic Functions 10.1 TOT (Time-Out Timer) KIRSUN

TOT prevents the user from occupying the channel for too long. If the continuous transmission exceeds the duration set by dealer, the radio will stop transmitting and generate a warning tone. For stopping the tone, release PTT button. For transmission again, please press PTT button after a certain time interval (interval set by dealer).

If the dealer set pre-alarm feature, pre-alarm tone will sound before TOT time is up.

10.2 Enabling Color Code on Digital Mode Only when both the color code and ID matches, the speaker can be turned on to receive.

Range: 0~15 (16 groups of color codes)

10.3 Lone Worker

This function is applicable to circumstances with high risk, in which frequent communication is required to ensure safety. After enabling this function, the user is considered to be in danger if he or she does not act within a preset duration (programmed by the dealer), and an emergency alarm will be submitted

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to the alarm system associated to the selected channel (set by the dealer).

10.4 Language Selection

You can switch the radio languages.
1) In the home page, press to enter the menu.
2) Select "Setting".
3) Select "Language Selection", and select a language.

10.5 Setting Tones

You can enable/disable tones and adjusts the volume.
1) In the home page, press to enter the menu.
2) Select "Setting".
3) Select "Alert Tone Setting".
4) Select "Alert Tone Button", and enable/disable the following types of alert tones.

a) "All Alert Tones Off" – Disables all the alert tones.b) "All Alert Tones On" – Enables all the alert tones.

10.6 Setting Power Level

You can set high/low power for each channel.
1) In the home page, press to enter the menu.
2) Select "Setting".
3) Select "Power Setting".
4) Select "High" or "Low" power and set the power level.

10.7 Setting Squelch Level

You can adjust the squelch level based on different situation to remove unnecessary calls in weak signals. 1) In the home page, press u to enter the menu.

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10.8 Setting Keypad Lock

You can lock the radio keypad in case of incorrect operation.
1) Auto Keypad Lock

a) In the keypad lock interface, select and enter the interface of "Auto Lock".
b) Select keypad auto lock delay time.
c) Press the OK key and the LCD will show "Operation Succeeded". The auto lock time is saved.

2) Quick Keypad Lock
When the radio is on, press and hold * to lock the keypad.

3) Keypad Unlock

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When the radio is on, press and hold * to unlock the keypad.

10.9 Radio Info

You can check information such as the radio ID, serial number, firmware version, hardware version and CPS version.

1) In the home page, press \bigcirc to enter the menu.

2) Select "Setting".

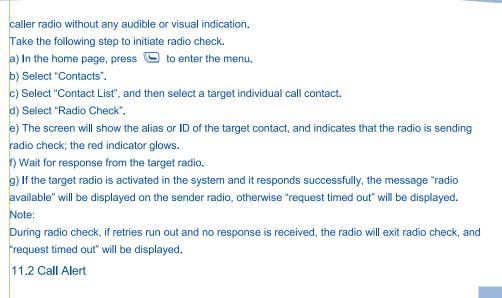
3) Select "Radio Info" and view details such as the radio ID, series NO., firmware version, hardware version and CPS version.

11 Advanced Functions

11.1 Radio Check

This feature is to check whether a radio is online. The radio automatically sends a response to the

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Call alert feature allows authorized caller radio to request a target radio to call back.

1) Receiving and Acknowledging Call Alert

a) When the radio received call alert, it will automatically reply if call alert decode is enabled.

b) The LCD shows "Call Alert...", the alias or ID of caller radio.

c) The radio periodically sounds call alert tone and orange LED is flashing.

d) Press the PTT key to call back the caller radio, or press any other key to ignore the call alert.

2) Initiating Call Alert

a) In the home page, press 🕒 to enter the menu.

b) Select "Contacts".

c) Select "Contact List", and then select a target individual call contact.

d) Select "Call Alert".

e) The screen will show the alias or ID of the target contact, and indicates that the radio is sending a call alert. The red indicator glows.

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 f) Wait for acknowledgement from the target radio.
 g) If the target radio acknowledges successfully, the message "call alert successful" will be displayed on the sender radio, otherwise "request timed out" will be displayed.

During call alert, if retries run out and no response is received, the radio will automatically stop sending call alert and the message "request timed out" will be displayed.

11.3 Radio Stun/Un-Stun

Stun/un-stun feature allows the radio to stun/un-stun a target radio through air signaling. The stunned radio can neither transmit nor receive traffic, and it can only be activated by an authorized radio through un-stun signaling. This feature is used to prevent use of the radio without permission or when the radio is lost.

1) Receiving Stun/Un-Stun Signaling

After the target radio receives the stun/un-stun signaling and succeeded to be stunned / un-stunned, it will automatically send operation success indication to the caller radio. After the radio is stunned, it returns to the home screen and displays channel alias and group alias only. It cannot receive other information except un-stun signaling. All the operation on the radio is valid except powering on/off.

After the radio is stunned, you can recover normal operation by un-stunning the radio.

2) Sending Stun/Un-Stun Signaling
a) In the home page, press to enter the menu.
b) Select "Contacts".
c) Select "Contact List" and a target individual call contact.
d) Select "Stun/Un-Stun".
e) The screen shows the alias or ID of the target radio and the radio indicates that it is sending stun/un-stun signaling. The red indicator glows.
f) Wait for acknowledgement from the target radio.

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g) If the radio receives acknowledgement from the target radio, the message "Stun succeeded"/"Un-stun succeeded" will be displayed; otherwise "Request timed out" will be displayed. Note:

If retries run out and no response is received, the radio will automatically stop sending signaling with an alert "Request timed out".

11.4 Radio Kill

This function allows the user to kill the target radio through air signaling. After the target radio is killed, the key configuration data will be cleared and the radio is powered off automatically. You cannot operate the radio after powering it on. The killed radio can only be activated by the authorized dealer or supplier. This feature is used to prevent the lost radio from being used and the key configuration data from being stolen. Note:

Once the radio is killed, the configuration data will be lost and the radio cannot go back to normal after reboot, so please operate with due care!

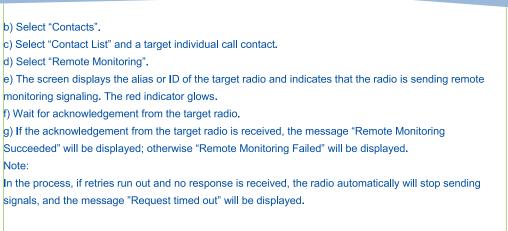
The killed radio can only be activated by authorized dealer or supplier. After a target radio receives the kill signaling and is killed successfully, it responds with a message of successful operation to the caller radio; otherwise response fails. After a radio is killed, its configuration data is cleared and it is powered off automatically.

11.5 Remote Monitoring

This function allows the user to turn on the microphone of a target radio through air signaling without any audio or video indication on the target radio. This function can be used to monitor the surroundings of a target radio.

Initiating Remote Monitoring
 a) In the home page, press In the home page, press

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11.6 Scan

In order to receive voice and data from multiple channels, the radio can be programmed to scan these

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channels. The radio supports up to a maximum of 32 scan lists and each scan list supports a maximum of 16 channels. A&D (analogue and digital channels) mixed scan is available. You can relate different channel to different scan list.

By editing the scan list, you can add or delete the channels on the scan list and set priority channel.

a) In the home page, press is to enter the menu.
b) Select "Scan".
c) Select "Scan List", and view the members in the list ("P1" for priority channel 1, "P2" for priority channel 2, and the others for normal channels).

Note:

In the same scan list, there can be at most one priority channel 1 and one priority channel 2. If there is no priority channel, no icon will be displayed.

2) Adding Scan Channel

1) Checking Scan List

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a) In the home page, press b to enter the menu.
b) Select "Scan".
c) Select "Scan List", and then select "Add".
d) Select a target channel from the list of available channels, and add it to the scan list.

3) Deleting Scan Channel
a) In the home page, press to enter the menu.
b) Select "Scan".
c) Select "Scan List", and then select a target channel.
d) Select "Delete" to delete the channel.

4) Editing Priority Channel
a) In the home page, press to enter the menu.
b) Select "Scan".
c) Select "Scan List", and then select a target channel.

d) Select "Set as priority channel 1" to set the channel as priority channel 1.Repeat these steps while adding a priority channel 2.

5) Enabling/Disabling Scan
a) In the home page, press to enter the menu.
b) Select "Scan".
c) Enable or disable scan.

Note:

During the scan, the radio receives data (including short messages, GPS data, telemetry data or PC data) and digital signaling only through the selected channel (starting channel of scan).

6) Responding during Scan

During scan, if a channel with traffic is detected, the radio will stay on this channel for a set period, which is called hang time (programmed by dealer through the CPS). a) Keep the microphone 3~10 cm from your mouth.

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b) During the hang time, press the PTT key to talk. The red indicator will glow.c) Wait until the alert tone for voice communication ends, and then speak to the microphone.d) Release the PTT key to receive voice.e) If you do not respond during the hang time, the radio will go on to scan other channels.

7) Deleting Nuisance Channel

If bad calls or noise are generated frequently in a channel, you can delete the channel temporarily by pressing and holding the programmed Nuisance Delete key. Note:

A channel cannot be deleted if it is the only one priority channel or selected channel or the only one in the scan list.

11.7 GPS*

If positioning system is enabled, the radio will display and offer location information to the software

server (set by dealer through the CPS). Note: A function indicated with "*" is optional. If you need to enable it, please contact Kirisun or the dealer.

Take the following steps to check the position information of the radio.

a) In the home page, press 🕒 to enter the menu.

b) Select "Application".

c) Select "Positioning".

d) Select "GPS Information" menu, and view the date, time, latitude, longitude and satellite numbers.

11.8 Man Down*

This function allows a user to seek help from group members in dangerous situations caused by fall. After enabling this function, the user is considered to be in danger if the radio has been laid down for a preset duration (programmed by the dealer), and an emergency alarm will be submitted to the alarm system associated to the selected channel (set by the dealer) to seek help.

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Take the following steps to enable/disable Man Down.
a) In the home page, press to enter the menu.
b) Select "Setting".
c) Enable/disable the function.
Note:
A function indicated with "*" is optional. If you need to enable it, please contact Kirisun or the dealer.

12 Troubleshooting

No.	Problem	Reason and Solution
1	Failed to power on	A. The battery is used upSolution: Charge the battery or change to a new battery.B. Volume switch is faultySolution: Get it repaired at the specified service station.





0		A. Speak too far from the microphone Solution: The ideal distance: 3-10cm.	
2	Small voice during call		
		B. wrong volume setting	
		Solution: Turn the volume knob clockwise to increase the volume.	
3	Failed to transmit or receive	A. Wrong channel parameters	
		Solution: Reset the parameters and try again.	
		B. The group identity for default contact is wrong	
		Solution: Select a right group.	
		C. Beyond the communication scope.	
		Solution: Reduce the communication distance.	

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