

Kydera[®]

PROFESSIONAL DIGITAL TWO-WAY RADIO

USER MANUAL

Frequency:400-480MHz

DM-880

FCC ID:VO6DM-880



Icon Information

The following icons are available through this manual:

Alert Icons



Caution: indicates situations that could cause damage to your radio.



Note: indicates tips that can help you make better use of your radio.

Function Icons

 : indicates functions that are available on digital channel only.

 : indicates functions that are available on analog channel only.

Functions marked with no function icons are available on both analog and digital channels.

Term Explanation

■ Key Operation

Short press: to press the key and release it quickly;

Long press: to press the key and remain holding it down for a predefined period (2 seconds by default);

Hold down: to press the key and remain holding it down.

■ Private Call

Private call is initiated by a single user to another user, involving the calling party and the called party only.

■ Group Call

Group call is initiated by a single user to a group, involving the calling party and all the group members.

■ All Call

All call is a call initiated to all the users on a channel. It is used to deliver important notices.

■ Squelch

This technology can remove excessive background noises, improving your communication quality.

RF Energy Exposure Compliance

Your radio is designed and tested to comply with a number of national and international standards and guidelines (listed below) regarding human exposure to radio frequency electromagnetic energy. This radio complies with the IEEE and ICNIRP exposure limits for occupational/controlled RF exposure environment at operating duty factors of up to 50% transmitting and is authorized by the FCC for occupational use only. In terms of measuring RF energy for compliance with the FCC exposure guidelines, your radio radiates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

Your radio complies with the following of RF energy exposure standards and guidelines

- United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J
- American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95.1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998



Operational Instructions and Training Guidelines

To ensure optimal performance and compliance with the occupational/controlled environment RF energy exposure limits in the above standards and guidelines, users should transmit no more than 50% of the time and always adhere to the following procedures:

Transmit and Receive

To transmit (talk), push the Push-To-Talk (PTT) key; to receive, release the PTT key.

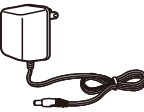
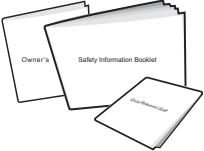


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Checking Items in the Package

Please unpack carefully and check that all items listed below are received. If any item is missing or damaged, please contact your dealer.

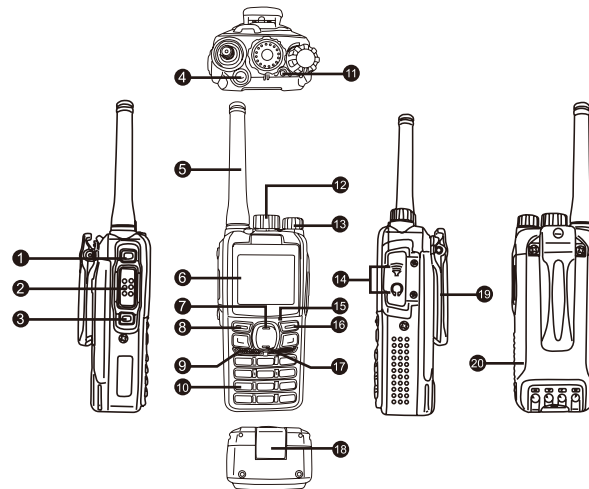
1 Radio Unit	2 Battery	3 Charger	4 Antenna
			
5 Belt Clip	6 Power Adapter	7 Strap	8 Owner's Manual/Safety Information Booklet Quick Reference Guide
			



Note: The antenna may vary with different frequency bands. And the frequency band is marked on the label of antenna; if not, please refer to the label on the radio unit for frequency band information.

Radio Overview

Radio Controls



No.	Part Name	No.	Part Name	No.	Part Name	No.	Part Name
1	SK1 (Side Key 1)	6	LCD Display	11	LED Indicator	16	Back Key
2	PTT Key	7	Up Key	12	Channel Selector Knob	17	Down Key
3	SK2 (Side Key 2)	8	OK/Menu Key	13	Volume Control Knob	18	Battery Latch
4	TK (Top Key)	9	Speaker	14	Accessory Jack	19	Belt Clip
5	Antenna	10	Numeric Keypad	15	Microphone	20	Battery

Radio Overview

Programmable Keys

For enhanced convenience, you may request your dealer to program the keys **SK1**, **SK2**, **TK3**,  and  as shortcuts to the functions listed below:

No.	Shortcut Keys	Description
1	Zone Up	Quick access to a desired zone
2	Zone Down	
3	Keypad Lock	To lock or unlock the keypad quickly
4	Contact List 	Quick access to Contact List
5	Message 	Quick access to the menu "Message"
6	Call Logs 	Quick access to the menu "Call Logs"
7	Adjust Power Level	To adjust power level through one button press.
8	Talk Around	To directly communicate with other radios.
9	Monitor 	To adjust the condition for incoming signal match.
10	Monitor Momentary 	
11	Squelch Off 	To always unmute speaker no matter whether carrier is present or not.
12	Squelch Off Momentary 	
13	Home Screen	To quickly return to the previous menu or home screen.
14	Scan	To receive signals on other channels.
15	Nuisance Temporary Delete	To temporarily ignore unwanted channel activity.
16	Emergency	To summon help in emergent situations.
17	Adjust Squelch Level 	To temporarily adjust the squelch threshold required for the radio to unmute.



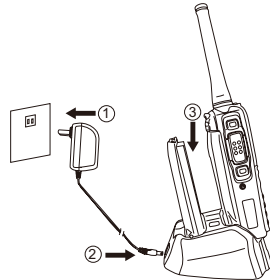
Note: (1) Long and short press of a key can be assigned with different functions by your dealer.
(2) The TK is programmed as the Emergency key by default, and is programmable by your dealer.

Before Use

Charging the Battery

Use only the charger and battery specified by HYT.
Charger LED can indicate the charging progress.

Charge Diagram



Procedures

1. Connect the power adapter to AC source. See arrow ①.
2. Plug the power adapter into the rear socket of the charger. See arrow ②.
3. Place the radio with the battery attached, or the battery alone, into the charger.
4. The charging process initiates when LED glows red, and is completed when LED glows green.



Note: To achieve optimal battery performance, please charge the battery for 5 hours before initial use.

Charge Indicator

LED Indicator	Charge Status
LED flashes red slowly.	Standby (no load)
LED glows red.	Charging
LED glows orange.	90% charged
LED glows green.	Fully Charged
LED flashes red rapidly.	Failure



Caution: Be sure to read the Safety Information Booklet, to get necessary safety information.

Assembly and Disassembly

Attaching the Antenna

Turn the antenna clockwise to fasten it.

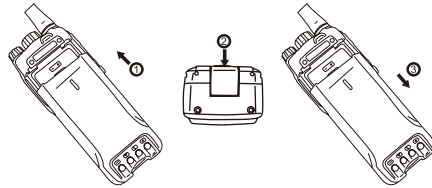


To remove the antenna, rotate it counter-clockwise.

Before Use

Attaching the Battery

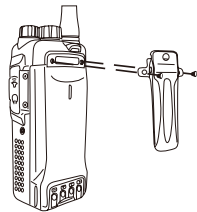
1. Insert the battery into top of the radio. See arrow ①.
2. Slightly press the bottom of the battery until a click is heard. See arrow ②.



To remove the battery, turn off the radio ☐rst. Then slide the battery latch upwards to unlock the battery.

Attaching the Belt Clip

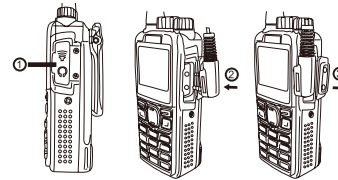
1. Remove the screws;
2. Align the screw holes on the belt clip with those on the radio's body, and then tighten the screws.



To remove the belt clip, loosen the screws.

Attaching AudioAccessory/Programming Cable

1. Open the accessory jack cover as the arrow shown.
2. Align the plug with the accessory jack.
3. Tighten the screw on the plug.



To remove accessories, loosen the screw.



Caution: When you are using an external accessory, waterproof performance of the radio may get affected.

Status Indicators

LCD Icons

■ Status Icons

Icon Name	Icon	Radio Status
RSSI		No signal;
		More bars indicate better signal strength;
Message Icons		New Message/Unread Message;
		InBox is full;
Scan Icons		Scanning is in progress;
		Scanning pauses on a non-priority channel;
		Scanning pauses on Priority Channel 1;
		Scanning pauses on Priority Channel 2;
Tx Power Icons		Low Tx power for the current channel;
		High Tx power for the current channel;
Battery Strength Icons		More bars indicate more battery power;
Monitor Icon		The feature "Monitor" is active;
Speaker Icon		The speaker is unmuted;
Emergency Icon		The Emergency mode (other than secret emergency) is active or an emergency message is received
Accessory Icon		An accessory is connected;

Status Indicators

■ Operation Mode Icons

Icon Name	Icon	Operation Mode
Operation Mode Icons	DM	Direct Mode Operation: Under this mode, radios communicate with each other directly.
	RM	Repeater Mode Operation: Under this mode, radios communicate with each other via a repeater.

LED Indicator

The top LED indicator will help you easily identify current radio status.

LED Indicator	Radio Status
LED flashes green.	Powering on
LED glows red.	Transmitting
LED glows green.	Receiving
LED flashes orange.	Scanning

Basic Operations

Turning the Radio On/Off

Rotate the **Radio On-Off/Volume Control** knob clockwise/counter-clockwise until a click is heard to turn the radio on/off.

Adjusting the Volume

After turning the radio on, rotate the **Radio On-Off/Volume Control** knob clockwise to increase the volume, or counter-clockwise to decrease the volume.

Selecting a Zone

A zone is a group of channels exhibiting the same property, and is programmed by your dealer. The radio supports up to 32 zones, each with a maximum of 16 channels. You may select a zone through any of the following methods:

1. Through menu selection
Go to the menu "Zone", and use the **Up/Down** keys to select your desired zone.
2. Through the function keys
You may quickly toggle to your desired zone by pressing the programmed **Zone Up** or **Zone Down** key.

Selecting a Channel

Rotate the **Channel Selector** knob to select a desired channel.

Digital/Analog Switch

Each channel can be programmed as either analog channel or digital channel. If the current zone includes both analog and digital channels, you may quickly switch between digital and analog through the **Channel Selector** knob.

Locking/Unlocking the Keypad

When the keypad is not in use, you can lock the keypad to prevent accidental keypad operation. Three methods are available for you to lock or unlock the keypad:

1. Through key combination
Use "OK+ " to lock or unlock the keypad.
2. Through the function key
Press the programmed **Keypad Lock** key to lock or unlock the keypad.



Note: When Keypad Auto Lock is enabled, the keypad will be locked automatically if no operation is made for the preset time period.

Basic Operations

3. Through menu selection

Go to Settings -> Radio Setting -> Keypad Lock, and then select Enable or Disable.

Enable: The keypad will be locked automatically if no operation is made for the preset time period.

Disable: The keypad will not be locked automatically. However, you can lock or unlock the keypad via the key combination or **Keypad Lock** key mentioned above.

Call

Transmitting a Private Call

You may transmit a Private Call through any of the following methods. When transmitting a Private Call, the icon  will appear.

● Transmitting a call to the preset contact

In standby mode, pressing **PTT** key will transmit an individual call to the contact (a Private Call number) preset for the current channel.



Note: Your dealer may preset a contact for each digital channel. The preset contact could be a Private Call number, a Group Call number or an All Call number.

● Transmitting a call through Contact List or Call Logs

- 1) Go to Contact -> Contact List, or go to Call Logs -> Call List.
- 2) Use the **Up/Down** key to select the Private Call number you want to call.
- 3) Hold down **PTT** key to transmit a Private Call to the selected contact.

● Transmitting a call through Manual Dial

- 1) Go to Contact -> Manual Dial.
- 2) Input a Private Call number you want to call.
- 3) Press **PTT** key to transmit a call.

Call

Transmitting a Group Call

You may transmit a Group Call through any of the following methods. When transmitting a Group Call, the icon  will appear.

● Transmitting a call to the preset contact

In standby mode, pressing **PTT** will transmit a Group Call to the contact (a Group Call number) preset for the current channel.

● Transmitting a call through Contact List

- 1) Go to Contact -> Contact List.
- 2) Use the **Up/Down** key to select the Group Call number you want to call.
- 3) Hold down **PTT** to transmit a Group Call to the selected contact.

Transmitting an All Call

Methods are the same as those in Transmitting a Group Call. When transmitting an All Call, the icon  will appear.



Note: You can transmit an All Call only when it is enabled by your dealer.

Receiving and Responding to a Call

● Receiving a Call

When a call is received, your radio will display the corresponding icon as follows:  for a Private Call,  for a Group Call and  for an All Call.

● Responding to a Private/Group Call

After a Private Call or Group Call is received, you may press the **PTT** key within the preset time period to call back.

If you do not respond to a received Private Call, the radio will display the missed call icon .



Note: You cannot respond to an All Call.

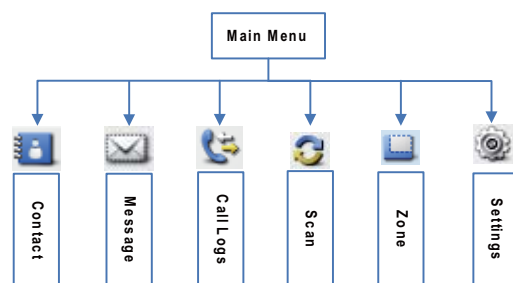
Calls on Analog Channels

To transmit on an analog channel, hold down the **PTT** and speak into the microphone. To receive, release the **PTT**.



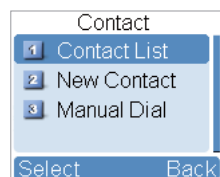
Note: To ensure an optimal volume for the receiving radio, hold the radio approximately 2.5 to 5 centimeters away from your mouth during transmission.

Menu Navigation



Contact

To access this item, press **Menu** key in idle mode and then select "Contact".



■ Contact List

You can save up to 200 entries in the list. To access this item, select "Contact -> Contact List" or press the shortcut key for Contact List.

Editing a Contact

You can edit the number and alias of each Private Call contact.

Viewing a Contact

You can view details of each contact.

Deleting a Contact

You can delete a Private Call contact. However, please note that you can not delete the contact when there is only one entry left in the list. In addition, the private contact preset on the digital channel cannot be deleted.

■ New Contact

You can add a Private Call contact to the contact list. The number and alias of each contact must be unique, and the available number range is 1-16776415.

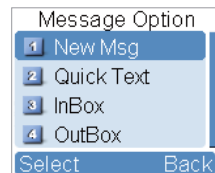
■ Manual Dial

You can manually input the private call number for calling.

Message

To access this item, press the **Menu** key in idle mode and then select "Message", or press the shortcut key for Message directly.

Menu Navigation



■ New Msg

You can create your desired text message (256 characters at most) and send it to an individual user or to a talk group.

■ Quick Text

Under this option there are some text messages (10 entries at most) preset by your dealer. You can choose to edit and send any entry.

■ InBox

The InBox can save up to 20 received messages. When the InBox is full, the icon  will appear, and the oldest entry will be overwritten by the latest one automatically.

For each message, you can choose to perform any of these operations: Reply, Forward, View Details and Delete.

To delete all messages in the InBox, select "Message -> InBox -> Delete All".

■ OutBox

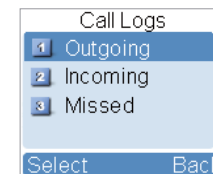
The OutBox can save up to 20 sent messages. When the OutBox is full, the oldest entry will be overwritten by the latest one automatically.

For each message, you can choose to perform any of these operations: Reply, Forward, View Details and Delete.

To delete all messages in the OutBox, select "Message -> OutBox -> Delete All".

Call Logs

To access this item, press the **Menu** key in idle mode and then select "Call Logs", or press the shortcut key for Call Logs directly.



This radio can save up to 10 entries in the Outgoing List, Incoming List and Missed List respectively. When the memory for call logs is full, the oldest entry will be overwritten by latest one automatically.

After accessing a list and selecting an entry, you can perform any of these operations: hold down the **PTT** key

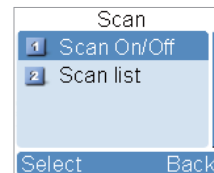
Menu Navigation

to initiate a call; add it to Contact List; or delete it.

To delete all entries in Outgoing List, Incoming List or Missed List at a time, select "Call Logs -> Outgoing / Incoming /Missed -> Delete All".

Scan

To access this item, press the **Menu** key in idle mode and then select "Scan".



■ Scan On/Off

The function "Scan" allows you to listen to communication activities on other channels so that you can keep a close track of your team members. This option is used to enable or disable the function.

■ Scan List

You can request your dealer to create a scan list for each channel. Each list may contain 32 channels at most (either digital channel or analog channel is OK). After accessing the list, you can perform any of the following operations:

Adding a Channel

To include a new channel into the active scan list.

Editing Priority Channel

To set the selected channel as a non-priority or as a priority channel. If you are interested in activities on a channel, you can set it as a priority channel, which will be scanned more frequently than a non-priority channel.

Each scan list may contain two priority channels at most.

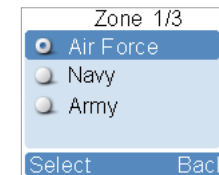
P1 indicates priority channel 1, and **P2** indicates priority channel 2.

Deleting a Channel

To remove a channel from the active scan list. However, the first channel in the list can not be deleted.

Zone

To access this item, press the **Menu** key in idle mode and then select "Zone".

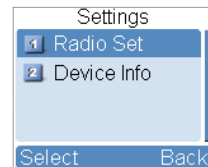


This radio supports up to 32 zones. You can use this menu to select your desired zone.

Menu Navigation

Settings

To access this item, press the **Menu** key in idle mode and then select "Settings".



You can optimize your radio performance by customizing related parameters according to actual needs and your preferences.

■ Radio Set

Power Level

This option allows you to set transmit power level. Alternatively, you can change the power level by pressing the shortcut key for Adjust Power Level in idle mode.

There are two levels available: High (indicated by **[H]**) and Low (indicated by **[L]**). High power level enables you to communication with farther team members.



Note: Power level should be set for each channel individually.

Squelch Level

This option allows you to select an appropriate squelch level. Alternatively, you can change the squelch level by pressing the shortcut key for Adjust Squelch Level in idle mode. There are three levels available: Tight, Normal and Open.

The default squelch level is "Normal", and generally used in low noise environment.

Generally, "Tight" is used in high noise environment. It requires stronger signal for the radio to unmute. If the squelch level is set to Open, the speaker will keep unmuted irrespective of the satisfaction of decoding conditions.

Language

To set the language in which all interface information is displayed. At the moment, this radio only supports two languages: Simplified Chinese and English.

Backlight

To set the backlight parameters. There are three options available: On, Off and Timer. The timer is programmed by your dealer. Available range: 5-60 seconds.

Brightness

To set the display brightness. You can increase or lower it using the **Up** or **Down** key.

Menu Navigation

Keypad Lock

To set whether to enable this function. When "Enable" is selected, you can use the **Up** or **Down** key to set the time range after which the keypad will be locked. Available range: 5-60 seconds.

LED

To set whether to enable LED indication.

Tone

To set tones for your radio. You can set the following tones:

Radio Silent: to set whether the radio will give tone indication. If Silent On is selected, all alerts will be off.

Talk Permit: to set whether the radio will give tone indication for transmission. The following options are available: Disable (the radio does not give any tone indication for transmission); Digital Only (the radio gives tone indication for transmission on the digital channel only), Analog Only (the radio gives tone indication for transmission on the analog channel only), and Enable (the radio gives tone indication for transmission on both analog and digital channels).

Private Ring: to set whether the radio will give tone indication when the radio receives a private call.

TextMsg Ring: to set whether the radio will give tone indication when the radio receives a message.

Keypad: to set whether the radio will give tone indication when you are making keypad operations.

■ Device Info

With this option, you can view the basic information of your radio, including serial number, radio model, frequency range, firmware version and etc.

Functions and Operations

Home Screen

The feature allows you to quickly return to the previous menu or the home screen.

Operation:

In the editing screen, press the programmed Home Screen key, and the radio exits the screen and returns to the previous menu immediately; in other screens, press the key, and the radio returns to the home screen immediately.

Scan

The feature “Scan” allows you to listen to communication activities on other channels so that you can keep a close track of your team members.

Operation:

1. To enable the feature, you can select “On” from the menu “Scan”; or
Press the programmed **Scan** key in standby mode; or
Switch to a channel for which the feature “Auto Scan” is enabled via the programming software.
2. After the feature is enabled, your radio will scan according to the scan list set for the channel on which scanning starts. The scanning process is as follows:
 - During scanning, LCD displays icon , and LED flashes orange.

- When activities are detected on a channel, the radio will stay on the channel to receive current activities. If your radio stays on a non-priority channel, LCD will display icon ; if on Priority Channel 1 or Priority Channel 2, LCD will display icon  or icon  respectively.

- If you don't want to hear activities on the channel, press the programmed **Nuisance Temporary Delete** key to remove the channel from the scan list temporarily.

- If you want to continue staying on the channel, press the programmed **Monitor** or **Squelch Off** key during scan stay. 

To exit the scanning process, you can select “Off” from the menu “Scan”, or press the programmed **Scan** key again.

Talk Around

You can continue to communicate in DM mode by pressing the programmed **Talk Around** key, when your repeater malfunctions, or when your terminal is out of the repeater's range but within talking range of other terminals.

Operation:

Press the programmed **Talk Around** key to switch between DM mode and RM mode.

Functions and Operations

Monitor

To adjust match conditions for signal receiving, you can enable the feature "Monitor".

Operation:

- Press the programmed **Monitor** key to enable the feature, and the radio displays icon . To disable the feature, press this key again.
- Hold down the programmed **Monitor Momentary** key to enable the feature, and the radio displays icon . To disable the feature, release this key.

Squelch Off

If the feature "Squelch Off" is enabled, your radio's speaker will keep unmuted no matter whether carrier is present.

Operation:

- Press the programmed **Squelch Off** key to enable the feature. Then the radio displays icon  and sounds background noise. To disable the feature, press this key again.
- Press the programmed **Squelch Off Momentary** key to enable the feature. Then the radio displays icon .

and sounds background noise. To disable the feature, release this key.

Emergency

In case of an emergency, you can use the feature to ask for help from your companion or control center. The Emergency process has the highest priority. You can make emergency operation even when your radio is transmitting or receiving.

To enable the feature on a channel, an emergency system must be assigned to the channel via the programming software. In addition, the Emergency type and Emergency mode are settable via the programming software.

Emergency Type

For each Emergency mode, there are four Emergency types available. You can select one of them via your dealer:

Functions and Operations

Emergency Type	Description
Siren Only	In Emergency mode, the radio will sound shrill alarm tone and display the icon  .
Regular	In Emergency mode, the radio will give audible and visible indication.
Silent	In Emergency mode, the radio won't give any audible or visible indication.
Silent with Voice	In Emergency mode, the radio won't give any audible or visible indication, but will receive voice ACK from the companion or control center automatically.

Emergency Mode

Your radio supports three Emergency modes. You can select one of them via your dealer (Note: For the following operation methods, we take the "Regular" type as an example).

Emergency Mode	Description
Emergency Alarm 	In this mode, you can send alarm information to your companion or control center by pressing the programmed Emergency key, but you cannot talk with them.
Emergency Alarm with Call 	In this mode, you can send alarm information by pressing the programmed Emergency key. When icon  appears, you can speak into the microphone, allowing your voice and background noise to be transmitted automatically (you do not need to hold down the PTT key).
Emergency Alarm with Voice to Follow 	In this mode, press the Emergency key to go to the Emergency Revert Channel. When icon  appears, you can speak into the microphone, allowing your voice and background noise to be transmitted automatically (you do not need to hold down the PTT key).

Functions and Operations

Operation Methods for Analog Emergency

● Emergency Alarm

Operation: Press the programmed **Emergency** key to send alarm information. The radio displays icon  and text information "Sending Alarm!", with LED glowing red. If "Local Emergency Alarm" is enabled via the programming software, an alarm tone will sound. Two methods are available for you to exit the Emergency mode:

1. Once the Alarm Cycles expire, the radio will exit the Emergency mode automatically.
2. Long press the programmed **Emergency** key.

● Emergency Alarm with Call

Operation:

1. Press the programmed **Emergency** key to send alarm information. The radio displays icon  and text information "Sending Alarm!", with LED glowing red. If "Local Emergency Alarm" is enabled via the programming software, an alarm tone will sound.
2. When icon  appears, you can speak into the microphone to make an emergency call.

3. When icon  appears, your radio is receiving. When a call is received, icon  appears.

Two methods are available for you to exit the Emergency mode:

1. After the preset Alarm Cycles and Voice Cycles expire, the radio will exit the Emergency mode automatically.
2. Long press the programmed **Emergency** key.



Note: Your dealer may set the number of alarm cycles, alarm duration, number of voice cycles, duration of each transmission and Tx interval.

Operation Methods for Digital Emergency

● Emergency Alarm with Voice to Follow

Operation:

1. Press the programmed **Emergency** key to go to the Emergency Revert Channel, and the radio displays the icon .
2. When the icon  appears, you can speak into the microphone to make an emergency call.
3. When the icon  appears, your radio is receiving. When a call is received, icon  appears.

If the preset Voice Cycles expire, you can press the **PTT** key to make the emergency call again (the radio

Functions and Operations

displays the icon , with LED glowing red). After the emergency call is transmitted, please release the **PTT** key to receive (the radio displays icon ). When a call is received, icon  appears.

To exit the Emergency mode, long press the programmed **Emergency** key.



Note: Your dealer may set the number of voice cycles, duration of each transmission and Tx interval.

Busy Channel Lockout

If enabled via the programming software, this feature can prevent your radio interfering with other transmitting terminals on the same channel. If you hold down the **PTT** key while the channel is in use, your radio will keep beeping and display text information “Channel Busy”, alerting you to transmission prohibition. To stop beeping, please release the **PTT** key. When the channel is free, you can press and hold down the **PTT** key to transmit.

Time-out Timer (TOT)

The purpose of TOT is to prevent any user from occupying a channel for an extended period. If the preset time expires, the radio will automatically terminate transmission

and keep beeping. To stop beeping, please release the **PTT** key. You must wait for a certain time period (preset by your dealer) before you can press and hold down the **PTT** key to transmit again.

If the pre-alert function is set by your dealer, your radio will alert you to the TOT expiration in advance.



Note: This feature is null in Emergency mode.

Troubleshooting

Phenomena	Analysis	Solution
The equipment can not be powered on.	The battery may be improperly installed.	Remove the battery and attach it again.
	The battery may run out.	Recharge or replace the battery.
	The battery may suffer from poor contact caused by dirtied or damaged battery contacts.	Clean the battery contacts. If the problem can not be solved, contact your dealer or authorized service center for inspection and repair.
During receiving signals, the voice is weak, discontinuous or totally inactive.	The battery strength may be too low.	Recharge or replace the battery.
	The volume may be set to a low level.	Increase the volume.
	The antenna may get loose or may be improperly installed.	Power off the radio, and re-install the antenna.
	The speaker may be blocked or damaged.	Clean surface of the speaker. If the problem can not be solved, contact your dealer or authorized service center for inspection and repair.
You can not communicate with other members.	The frequency or signaling may be inconsistent with that of other members.	Set your TX/RX frequency and signaling to the same as that of other members.
	The channel type (digital/analog) may be set inconsistently.	Make sure all members are on the same digital/analog channel.
	You may be too far away from the group members.	Move towards other members.
Irrelevant communications or noises are heard on the channel.	You may be interrupted by radios using the same frequency.	Change the frequency, or adjust the squelch level.
	The radio may not be set with any signaling.	Set signaling for all member radios to avoid interference at the same frequency.

Troubleshooting & Care and Cleaning

The noise is too loud.	You may be too far away from other members.	Move towards other members.
	You may be at an unfavorable position. For example, your communication may be blocked by high buildings or frustrated in the underground areas.	Move to an open and flat area, and restart the radio.
	You may suffer from external disturbance (such as electromagnetic interference).	Stay away from equipment that may cause interference.

If the above solutions can not fix your problems, or you may have some other troubles, please contact us or your local dealer for more technical support.

Care and Cleaning

To guarantee optimal performance as well as a long service life of your radio, please follow the tips below.

■ Radio Care

- Do not pierce or scrape the radio with any edged instruments or hard objects.
- Keep the radio far away from substances that can corrode the electronic circuit.
- Do not hold the radio by its antenna or headset cable directly.
- Attach the accessory jack cover when the radio is not in use.

■ Radio Cleaning

- Clean up the dust and fine particles on the radio surface and charging piece with a clean and dry lint-free cloth or a brush regularly.
- Use neutral cleanser and a non-woven fabric to clean the keys, control knobs and front case after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations, so as to avoid surface case damage. Make sure the radio is completely dry before use.



Caution: Power off the radio and remove the battery before cleaning.

SAFETY TRAINING INFORMATION



Your China New Century (Quanzhou) Communication Electronics Co., Ltd.

radio generates RF electromagnetic energy during

transmit mode. This radio is designed for and classified as "Occupational Use Only", meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards. This radio is NOT intended for use by the "General Population" in an uncontrolled environment. This radio has been tested and complies with the FCC RF exposure limits for "Occupational Use Only". In addition, your China New Century (Quanzhou) Communication Electronics Co., Ltd. radio complies with the following Standards and Guidelines with regard to RF energy and electromagnetic energy levels and evaluation of such levels for exposure to humans:

- ◆ FCC OET Bulletin 65 Edition 97-01 Supplement C, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

- ◆ American National Standards Institute (C95.1-1992), IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

- ◆ American National Standards Institute (C95.3-1992), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields—RF and Microwave.

- ◆ The following accessories are authorized for use with this product. Use of accessories other than those (listed in the instruction) specified may result in RF exposure levels exceed the FCC requirements for wireless RF exposure.



To ensure you're your exposure to RF electromagnetic energy is within the FCC allowable limits for occupational use, always adhere to the following guidelines

The information listed above provides the user with the information needed to make him or her aware of RF exposure, and what to do to assure that this radio operates with the FCC RF exposure limits of this radio.

Electromagnetic Interference/Compatibility

During transmissions, China New Century (Quanzhou) Communication Electronics Co., Ltd. radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. **DO NOT** operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

Occupational/Controlled Use

The radio transmitter is used in situations in which persons are exposed as consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

Attention:

This radio complies with IEEE and ICNIRP exposure limits for occupational/controlled RF exposure environment at operating duty factors of up to 50% and is authorized by the FCC for occupational use only. An appropriate warning label is affixed to all units.

In order to comply with RF exposure requirements, a minimum distance of 2.5cm must be maintained when held-to-face, and body-worn operations are restricted to the approved original accessories (belt clip). Do not use this device when antenna shows obvious damages