ADVANCED FEATURES

OR

Press the preset 【emergency mode ON/OFF】 key to exit the emergency mode.

Note:

◆ If your radio is set to "silent" option, the screen will not send any sound or voice while in the emergency call mode, neither from the target radio to receive a respond to any call until users press the [PTT] key to initiate a call.

◆ If your radio is set to "silent with audio" option, no audio or visible indication is shown to the target radio. The radio will prompt only when you press [PTT] key to initiate or respond to a call.

Sending an Emergency Alarm and Voice

This feature allows users to send an emergency alarm to the target radio/radios. After confirmation, your radio microphone (MIC) and the transmitter will be automatically activated, allowing you to communicate with other target radios without the need to press [PTT] key. This activation of the microphone function is called an 摇mergency microphone?

If the user press [PTT] key during the programmed emergency microphone transmission period, the radio ignores the PTT press and remains in emergency mode.

Note:

◆ If the user presses the [PTT] key during emergency

microphone, and continue to press [PTT] key after the emergency microphone duration expires. Then the radio continues to transmit the call until you release the [PTT] key.

Procedure:

1. Press the preset emergency mode on/off key.
2. LED indicator lights blue.
3. After you hear the Tx Begin Tone (if activated), users can speak clearly with the microphone(MIC), when the 摇mergency microphone? is activated, radio will automatically start to transmit signals without needing to press the [PTT] key until a default emergency microphone time is over then it will stop to transmit.
4. During the transmission, the LED indicator lights blue (if activated).
5. After the emergency microphone is over, the radio will automatically stop transmit the signals. To start again, press [PTT] key to transmit.

Note:

◆ If your radio is set to "silent" option, no audio or visible indication is shown in the emergency call mode, neither from the target radio to receive any response, until an emergency mic transmitting time is over and you have to press the [PTT] key.

ADVANCED FEATURES

◆ If your radio is set to "silent with voice" option in emergency call mode when you use the emergency microphone to initiate a call, or when the default emergency microphone time has ended, no audio or visible indication is shown but only when you press [PTT] key, these indication will appear again.

Re-initiate Emergency mode
Under the following two circumstances, you need to re-access the emergency mode:
1. Changing channel manually in emergency mode will force the radio to exit the emergency mode. If you need to activate the emergency alarm on the new channel, you have to press the preset 【Emergency mode】 key again.
2. Press the preset [emergency alarm ON/OFF] key while emergency alarm is activated and is transmitting, this will enable the radio to exit the emergency alarm mode, users need to re-press the preset [emergency alarm ON/OFF] key, and then restart the emergency alarm call.

Exit the emergency mode
The radio will exit emergency mode under the following three circumstances:
1. The emergency alarm acknowledgement is received while your radio is activating emergency alarm (For emergency alarm ONLY), your radio will exit emergency mode.

2. The maximum number of attempts to perform an emergency alarm call, it will automatically exit emergency alarm mode.
3. When the preset [emergency alarm switch] key is pressed, your radio will exit emergency alarm manually.
Note:
◆ If your radio is powered off during an emergency call, it will exist the emergency mode. The radio will not reinitiate the emergency mode when the radio is turned on.

ENCRYPTION
If this feature is enabled, it is advantageous to prevent other users from using the software encryption method without authorization. Part of the transmitted signal and user identification is not encrypted. The radio must enable the channel's encryption function to transmit the encrypted signal, although this is not required to receive / transmit. At the same time in the encryption of the channel, the radio can receive a clear transmission signal.
◆ Your radio supports the following types of encryption:
● Low — Basic encryption
● Middle — Strong encryption
● High — Enhanced encryption
Note:
▲Only one of the above mentioned types can be assigned to a radio.

ADVANCED FEATURES

◆ To decrypt the encrypted call or data transmission, user must have the same encryption key or the same key level, key value and key ID. If user receive a different encryption key, key value and ID key with encryption call , user can hear the confusing transmission of signals (basic encryption) or listen to nothing(Enhanced / super strong encryption).

Procedure:

1. Press the preset【Encryption ON / OFF】key

Note:

◆ Your radio must be pre-programmed to allocate the key values, Key ID and encryption type.

◆ Some types of radios may not provide a single channel encryption or not encryption function. Please contact your dealer or system administrator for further information.

ADVANCED SERVICES

Advanced services are needed to be programmed by software beforehand, and can be accessed by the user-defined keys.

Radio detection

If this is activated, you can check whether the target radio is available or not without disturbing. The target radio won't receive any audio or visible notice. This function is only available for the user alias or ID.

Procedure:

1. Press the preset 【radio detection】 key.
2. If the target radio is available in the system, your radio will sound alert.

Remote monitor

Use the remote monitor function to switch on the microphone of a target radio (user alias or ID only). No audio or visible indication is shown to the target radio. You can use this function to monitor the surrounding activities of the target radio.

Procedure:

1. Press the preset【Remote monitor】key.

Note:

◆ If the target radio is activated successfully, you will hear a prompt sound from the target radio.

◆ Your radio must be programmed through programming software to use this function.

Radio Kill

You can kill any other radios in the system. For example, you may want to kill a stolen radio to prevent the thief from using it, and re-activate that radio when it is retrieved.

Procedure:

1. Press the preset 【radio kill】key.

Note:

ADVANCED FEATURES

◆ If the target radio is killed successfully, your radio will receive a beep sound.

◆ Performing Radio Kill is limited to radios with these function activated. Check with your dealer or system administrator for detail information.

◆ Your radio must be programmed through programming software to use this function.

Radio Revive

Users can activate any other radios which have been killed. For example, users might want to re-activate and use a stolen radio which has been killed..

Procedure:

1. Press the preset 【Radio Revive】 key.

Note:

◆ While reviving, it will send out the remote revive signal to the target radio, if the signal is picked up successfully by the target radio, your radio will receive a beep sound.

◆ Only the radio with this function activated can carry out this function. Please contact your dealer or system administrator for further information.

◆ Your radio must be programmed to allow user to use this function.

SETTINGS

If your dealer or system administrator allows you to set the basic settings and operation through definable key, then you could check and set the following settings via definable key.

◆ You could check or set the following settings.

• High / low power selection
• Squelch level options
• Turn ON or OFF VOX
• Check battery power strength

High / low power setting

If your dealer or system administrator allows you to do preset, you could check and set the radio power level through definable key to prolong the battery working life.

Note:

▲ High power ensure a long distance communication with target radio.

▲ Low power ensure a short distance communication with target radio.

Procedure:

1. Press preset 【High/Low Power selection】 to switch the high power and low power.

Note: Once the power level is changed, the radio will do a sound prompt (If activated).

ADVANCED FEATURES

Prompt tone type setting

If your dealer or system administrator allows you to do preset, when you do the radio operation, the radio will sound prompt tone or voice prompt.

● Power ON radio — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Power OFF radio — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Channel selection — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Power level check — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Low power alert — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Power selection — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Squelch level selection — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Scan ON/OFF — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Current channel check — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Alarm ON/OFF — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Private call prompt — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Group call prompt — Prompt tone, voice prompt, silence (Default: Voice prompt)

● General call prompt — Prompt tone, voice prompt, silence (Default: Voice prompt)

● TOT prompt — Prompt tone, voice prompt, silence (Default: Voice prompt)

● BS revive timeout — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Encryption ON — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Encryption OFF — Prompt tone, voice prompt, silence (Default: Voice prompt)

● VOX ON — Prompt tone, voice prompt, silence (Default: Voice prompt)

● VOX OFF — Prompt tone, voice prompt, silence (Default: Voice prompt)

● Zone Selection — Prompt tone, voice prompt, silence (Default: Voice prompt)

Prompt tone volume setting

You or your dealer or system administrator could set your radio sound prompt volume via programming software.

Options:

ADVANCED FEATURES

■ 1 — minimum

■ 13 — Maximum

■ Default: 10

Squelch level setting

You could adjust the radio squelch level to eliminate some week and useless signal call or channel with background noise higher than normal value

Setting: Normal default value is level 4. The highest level is 9.

Note: The highest squelch level may prevent some long distance call.

Procedure:

1. Press preset 【squelch level】 key

2. You will hear a prompt tone (if activated).

Options:

0 — Squelch ON

1 — Minimum

9 — Maximum

Default : 4

Turn ON / OFF VOX

If required, you could turn ON the preset VOX feature, and no need to press PTT to issue a call. Whenever the microphone of accessories with VOX detects voice sound, the radio will transmit automatically, and keep transmitting during voice detected.

Note:

◆ You could adjust the VOX transmitting sensitivity through MIC gain via programming software.

◆ The higher VOX level the higher sensitivity to detect voice. User need to set it based on working environment.

◆ Level selection:

■ 12 — Highest sensitivity

■ 1 — Lowest sensitivity

■ Increment: 1

■ Default: 4

Procedure:

1. Press preset 【VOX ON / OFF】 key to turn on or off the feature.

2. A prompt tone will be sounded (if activated).

Note:

1. To turn it ON or OFF is only valid for the radio with VOX feature. Please contact your dealer or system administrator for more detail.

2. If prompt tone is activated, then please speak to radio microphone after a prompt tone heard.

Information Check

If your dealer or system administrator allow to preset, you could check the following information of radio through definable key defined with information check.

ADVANCED FEATURES

1. Power level

2. Battery strength level

3. Current channel mode

4. Current working zone

Procedure:

1. Press preset 【Information Check】 key.

2. A beep sound will be heard (if activated).

GENERAL GUIDE FOR FAULT HANDLING

Malfunction	Analysis of causes	Handling method
Fail to turn ON radio	Battery is installed incorrectly	Re-install battery
	Battery power lower than preset value	Please change or charge battery.
	Bad battery contacts or contacts in dirty.	Check and clear the battery. contacts.
The sound get lower or unclear or interrupted during receiving signal	Battery power get lower.	Please change or charge battery.
	Volume control at low value.	Adjust the volume to be higher.
	Antenna gets loose or antenna frequency is incorrect.	Power off radio, and re-install antenna, or change antenna with right frequency.
	Speaker is blocked or damaged.	Try to clear the outer speaker or contact your dealer.
	Using the radio under poor working environment or electromagnetic interference	Change working environment or shift antenna direction.
Fail to talk with group members	The current working channel frequency or signaling setting is different with other group members.	Change channel or reset signaling to be same as other group members
	The setting of Digital or analogue channel is incorrect.	Reprogram the current digital or analogue channel.
	Far away with that group members.	Get closer to that group members.
Pops up other communication or noise on the current channel.	To be interfered by other members.	To change frequency or channel.
	Did not program with relevant signaling	To program signaling for the group member to prevent same frequency interference.
Louder noise during communication	The communication distance is too far between members.	Get closer to other members
	To be blocked by high building, or be onlower landform or basement etc working environment.	Go for open air area, and turn on radio again for a try.

GENERAL GUIDE FOR FAULT HANDLING

Malfunction	Analysis of causes	Handling method
Louder noise during communication	To be interfered strongly by external environment or others.	Try to keep away with instruments or equipments which may cause interference.
GPS fail to positioning (Optional)	Radio without GPS feature; Or is working under poor working environment that fails to receive GPS signal.	To add GPS features or move to work in the open air.

Note: If the above methods fail to solve your problem, or you confront other different malfunctions, please contact your local dealer or appointed maintenance station for more supports.

MAINTENANCE AND CLEAN

To make sure the radio's best performance and prolong its working life, please be acquainted with the following contents, so that you can do well maintenance and clean for the radio.
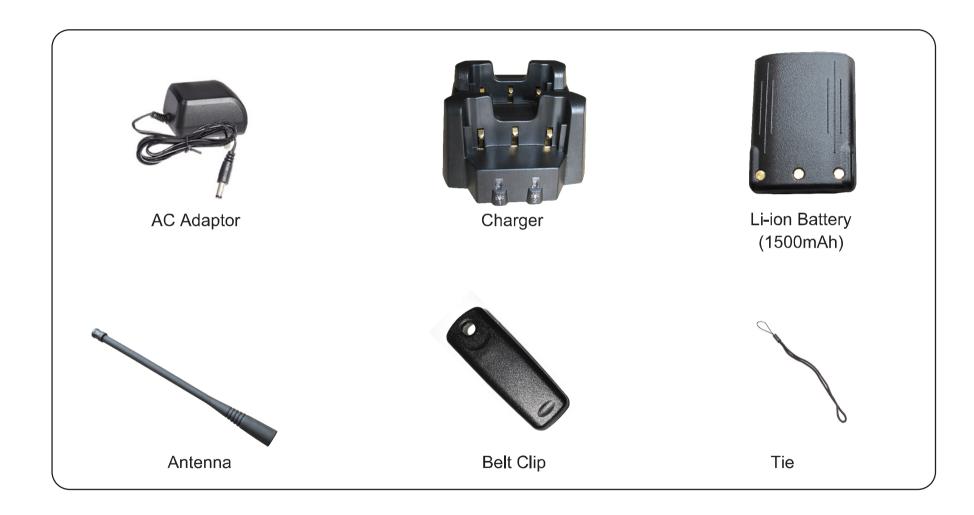
🗍 Maintenance

◎ Please do not scratch or puncture the device with hard matter.

◎ Please do not place the device under the environment which can corrode electronic circuit or under sun direct radiation.

◎ Please do not carry the device by handing its antenna or headset.

◎ Please make sure the SP-MIC be covered well if it is not in use.

🗍 Clean

Please clean your device regularly by using dry laid fabric or soft brush to wipe the dust on surface and charger contacts; The keypads, control knob and housing case of the device are easy get dirty. Please use nonwoven wipes to clean them. Please do not use chemical to clean it such as detergent, alcohol, spray or petroleum products, or the device surface or printing character maybe damaged. Before power on the radio, please make sure the device is dry completely.

Standard accessories

AC Adaptor

Charger

Li-ion Battery
(1500mAh)

Antenna

Belt Clip

Tie

OPTIONAL ACCESSORIES

Air conduit earphone

Earphone-1

Earphone-2

Li-ion Battery
(2300mAh)

Programmable cable

Speaker microphone

Kydera®

PROFESSIONAL DIGITAL TWO-WAY RADIO