

## **View the setting of menu function and operation**

---

### **Note:**

- ◆ If you press [Back] key when waiting for the confirmation, the radio will terminate the detection and returns to the previous menu.
- ◆ Your radio must be programmed through programming software to use this function.

### **Call Alert**

It allows you to alert the target radio to reply to you at its convenience. This is available only for the alias or ID of the private call.

### **Send Call Alert**

#### **Procedure:**

Press the user-defined [Contact] key to access contact list.

#### **OR**

1. Press [Menu] to access the main menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "Contact" and press [OK] key.
3. Press key to select the desired sub menu.

Press [ $\Delta$ / $\nabla$ ] key to select "Contact List" and press [OK] key.  
Press [ $\Delta$ / $\nabla$ ] key to select the desired alias or ID number, and press [OK] key.

Press [ $\Delta$ / $\nabla$ ] key to select "Advanced Services" and press [OK] key.

#### **OR**

Press [ $\Delta$ / $\nabla$ ] key to choose the "Manual Dial" and press [OK]

key.

When a blinking cursor appears, use the keypad to type the ID number, for a maximum of 8 numbers.

Press [ $\Delta$ / $\nabla$ ] key to move one space to the left or right.

Press [Delete] key to delete any unwanted characters.

Press [OK] key.

The display will show Advanced Services, and press [OK] key.

4. Press [ $\Delta$ / $\nabla$ ] key to select "Call Alert" and press [OK] key.

5. The display will show "Alerting..."

6. Wait for confirmation.

7. If the alert order is sent to the target radio successfully, the display will show "Alert succeeded" Otherwise, it will show "Alert Failed".

8. It will return to the previous menu.

### **Note:**

- ◆ If you press [Back] key when waiting for the confirmation, the radio will terminate the call alert and return to the previous menu.

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

### **Receive or respond to the call alert**

If you receive a call alert, the display will alternate between "Call Alert" and caller alias or ID.

## **View the setting of menu function and operation**

---

### **Procedure:**

1. You will hear a short tone repeatedly (if activated).
2. Press [PTT] to reply to the private call directly within 5 seconds after call alert is received.

### **OR**

Press [OK] key to refuse to reply the private call and exit the call alert mode.

The screen will return to the main screen.

### **Note:**

◆If you don't reply to the call alert in 5 seconds, the radio will exit the call alert automatically and mark this as a missed call (which can be checked in the call log).

### **□ 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.

### **Send Remote Monitor**

#### **Procedure:**

1. Press the user-defined key [ Remote Monitor ].
2. Press [ $\Delta$ / $\nabla$ ] key to select the desired alias or ID, and press [OK].

3. The display will show "Monitoring..."

4. Wait for confirmation.

5. If the target radio is activated successfully, the display will show "Monitoring" and starts to receiving the audio signals from the target radio until the preset monitor time runs out.

Otherwise, the display will show "Monitor Failed"

6. The screen will return to the previous menu.

### **OR**

Send remote monitor from the menu.

### **Procedure:**

1. Press [Menu] to access the main menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "Contact" and press [OK] key.
3. Press [ $\Delta$ / $\nabla$ ] key to select the desired sub menu.

Press [ $\Delta$ / $\nabla$ ] key to select "Contact List" and press [OK] key.

Press [ $\Delta$ / $\nabla$ ] key to select the desired alias or ID number, and press[OK] key.

Press key to select "Advanced Services" and press [OK] key.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to choose the "Manual Dial" and press [OK] key. When a blinking cursor appears, use the keypad to type the ID number, for a maximum of 8 numbers.

Press [ $\Delta$ / $\nabla$ ] key to move one space to the left or right.

Press [Delete] key to delete any unwanted characters.

## **View the setting of menu function and operation**

---

Press [OK] key.

The display will show Advanced Services, and press [OK] key.

4. Press [ $\Delta$ / $\nabla$ ] key to select "Remote Monitor" and press [OK] key.

5. The display will show "Monitoring..."

6. Wait for confirmation.

7. If the target radio is activated successfully, the display will show "Detection succeeded" and starts to receiving the audio signals from the target radio until the preset monitor time runs out. Otherwise, the display will show "Monitor Failed"

8. It will return to the previous menu.

**Note:**

◆ If you press [Back] key when waiting for the confirmation, the radio will terminate remote monitor and return to the previous menu.

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

**□ Remote 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.

**□ Send Remote Kill:**

**Procedure:**

1. Press the user-defined key [Remote Kill].

2. Press [ $\Delta$ / $\nabla$ ] key to select the desired alias or ID, and

press [OK].

3. The display will show "Remote killing..."

4. Wait for confirmation.

5. If the target radio is killed successfully, the display will show "Remote Kill succeeded" and the target radio will be forbidden to be used.

Otherwise, the display will show "Kill Failed"

6. The screen will return to the previous menu.

**OR**

Send remote kill from the menu.

**Procedure:**

1. Press 【Menu】 to access the main menu.

2. Press [ $\Delta$ / $\nabla$ ] key to select "Contact" and press [OK] key.

3. Press [ $\Delta$ / $\nabla$ ] key to select the desired sub menu.

Press [ $\Delta$ / $\nabla$ ] key to select "Contact List" and press [OK] key.

Press [ $\Delta$ / $\nabla$ ] key to select the desired alias or ID number, and press [OK] key.

Press [ $\Delta$ / $\nabla$ ] key to select "Advanced Services" and press [OK] key.

**OR**

Press key to choose the "Manual Dial" and press [OK] key.

When a blinking cursor appears, use the keypad to type the ID number, for a maximum of 8 numbers.

Press [ $\Delta$ / $\nabla$ ] key to move one space to the left or right.

Press [Delete] key to delete any unwanted characters.

Press [OK] key.

## **View the setting of menu function and operation**

---

The display will show Advanced Services, and press [OK] key.  
4. Press [ $\Delta$ / $\nabla$ ] key to select "Remote Kill" and press [OK] key.  
5. The display will show "Remote killing..."  
6. Wait for confirmation.  
7. If the target radio is killed successfully, the display will show "Remote Kill succeeded" and the target radio will be forbidden to be used.  
Otherwise, the display will show "Kill Failed"  
8. It will return to the previous menu.

**Note:**

- ◆ If you press [Back] key when waiting for the confirmation, the radio will terminate radio kill and return to the previous menu.
- ◆ Performing Radio Kill is limited to radios with these function activated. Check with your dealer or system administrator for detailed 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.

**Send Radio Revive**

**Procedure:**

1. Press the preset [Radio Revive] key

2. Press [ $\Delta$ / $\nabla$ ] key to select the desired caller alias or ID user, then press [OK] key
3. Radio screen will display/show radio revive
4. Waiting for confirmation
5. It will send out the remote revive signal to the target radio, if the signal is picked up successfully by the target radio, the display will show "Revive Succeeded"

**OR**

- It will show "Revive failed"  
6. Return to the previous menu.

**OR**

Send Radio Revive instruction via menu.

**Procedure:**

1. Press [Menu] key to access menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "Contact" and press [OK] key.
3. Press [ $\Delta$ / $\nabla$ ] key to access the sub menu.  
Press [ $\Delta$ / $\nabla$ ] key to select "Contact list" and press [OK] key  
Press [ $\Delta$ / $\nabla$ ] key to select a caller alias or ID and press [OK] key  
Press [ $\Delta$ / $\nabla$ ] key to select "Advance Services" and press [OK] key

**OR**

- Press [ $\Delta$ / $\nabla$ ] key to select "Manual Dial" and press [OK] key  
When a blinking cursor appears, use the keypad to input the contact ID. (up to 8 digits)  
Press [ $\Delta$ / $\nabla$ ] to move one space to the left or right.  
Press [Delete] key to remove any unwanted characters or

## **View the setting of menu function and operation**

---

enter a contact ID by input from the keyboard. After finish editing, press [OK] key.

Display screen shows the sub menu of "Advance Services" then press [OK] key

4. Press [**▲/▼**] key to select "Remote Revive" and press [OK] key

5. Radio screen will display/show radio revive.

6. Waiting for confirmation

7. If the display shows the target radio is "Revive Succeeded" then the target radio is available to use.

**OR**

If the target radio is failed to revive then it will show "Revive failed".

Return to the previous menu.

**Note:**

◆ While waiting for confirmation, press [Back] key to end / terminate the Radio Revive, and returns to the previous menu

◆ 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.

### **Emergency Alarm**

Emergency alarm function is mainly used to indicate an emergency situation. User can initiate an emergency call any time at radio screen or even while the channel is in used.

◎ Your dealer can set the key duration when pressing emergency call button:

- Short press --- shorter than a long press
- Long press --- 500 milliseconds to 5000 milliseconds

◎ Your radio supports 3 emergency alarm modes:

- Emergency Alarm
- Emergency Alarm&Call
- Emergency Alarm&Voice

The alarm is a non-voice signaling, which can enable another radio to respond. This function can be used when users press the emergency alert button.

◎ Your radio alarm supports following types:

- Disable --- the radio can't send the alarm signal
- Standard?Radio Transmitter --- the radio can send the alarm signal and show audio and visual alert
- Silent --- Radio Alarm signaling --- the radio can send the alarm signal, but don't provide any audio or visual prompt that indicates as "Emergency" mode, or in addition there will be no any sounds received.
- Silent with Audio --- Radio Alarm Signaling, the radio can send the alarm signal without showing audio or visual alert and radio will send the emergency alarm on the eligible channel.

**Note:**

◆ It is available only in digital mode.

## **View the setting of menu function and operation**

---

### **□ Receiving Emergency Alarm**

When the radio receives an emergency alarm, the screen displays a hint for receiving an emergency alarm until the confirmation is sent and users don't exit from the emergency mode. Users won't be able to receive any other alert or any calls until users exit the emergency alarm.

#### **Procedure:**

When the emergency alarm is received, the screen will display the emergency call icon, numbers of received alarms and also the characters which are alternately displayed the sender's ID and the radio will send out ringtone at the same time.

### **□ Response Emergency Alarm**

#### **Procedure:**

When the radio receives an emergency alarm:

1. Press any key to stop receiving an emergency alert.
2. To answer / reply, hold the radio vertically 2.5cm to 5cm (1 to 2 inches) from your mouth.. If the "Rx End Tone" feature is enabled, you will hear a short tone when the transmitting radio release the [PTT] Key, means the channel is free to response.
3. Press [PTT] key to start a call with a radio with an emergency call. LED indicator lights red (if enabled), and the radio is in an emergency call mode.
4. Waiting for the "TX Begin Tone" to end (if enabled) then user can speak clearly into the microphone.

5. Release [PTT] key to receive. When the target radio is responding, the LED indicator lights green (if enabled).Users will see a group call icon, group alias, or ID.

6. After the call is over, short press the [ ] key, then press the emergency alarm button to clear all the notifications for receiving an emergency call and exit the emergency mode.
7. The radio screen will show "Exit emergency mode" and return to the main screen.

### **□ Sending Emergency Alarm**

If users are allowed to send an emergency alarm, it is non-voice signal, the screen of the target radio will shows the visual characters or icon as well as an alert tone.

#### **Procedure:**

1. Press the pre-programmed [emergency alarm ON / OFF] key.
2. The screen alternates between an emergency call character and ID of the target radio. Then the emergency call icon will appear on the main screen.
3. When an emergency alarm is received to the target radio, the radio will make an emergency/urgent call, the screen will display "Sent Succeeded".

#### **OR**

If the radio hasn't received any emergency alert from the target radio, it will beep and the screen will display "Sent Failed".

4. Exit the Emergency alarm mode, and return to the main screen.

## **View the setting of menu function and operation**

---

### **Note:**

If your radio is set to "silent" option, no audio or visible indication is shown to the your radio

### **Sending Emergency Alarm&Call**

This feature allows users to send an emergency alarm to the target radio. After confirmation, both radios will communicate with a default emergency channel.

#### **Procedure:**

1. Press the pre-programmed [ Emergency alarm ON / OFF ] key.
2. The screen alternates between an emergency call character and ID of the target radio. Then the emergency call icon will appear on the main screen.
3. When an emergency alarm is received to the target radio, the radio will make an emergency/urgent call, the screen will display "Sent Succeeded"
4. To answer / reply, hold the radio vertically 2.5cm to 5cm (1 to 2 inches) from your mouth.
5. Press [PTT] key to start a call with the target radio. The LED indicator lights red (If enabled) and the radio is in an emergency call mode.
6. Waiting for the "TX Begin Tone" to end (if enabled) then user can speak clearly into the microphone.
7. Release [PTT] key to receive. When the target radio is responding, the LED indicator lights green (If enabled).Users will see a group call icon, call group alias, or ID.
8. If enabled the "RX Ended Tone" function, when the radio

release the [PTT] button, users will hear a short tone which said the channel is idle and waiting for your answer please Press [PTT] to answer.

#### **OR**

Press the preset [Emergency Alarm Switch] button to exit the emergency alarm mode.

9. Return to the previous menu.

### **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" 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 Emergency Alarm with 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 "Emergency 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.

## **View the setting of menu function and operation**

---

**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 pre-programmed [Emergency alarm ON / OFF] key.
2. The screen alternates between an emergency call character and ID of the target radio. Then the emergency call icon will appear on the main screen.
3. When the screen shows "emergency alarm sent successfully", users can speak clearly with the microphone(MIC), when the "Emergency 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. The LED indicator lights red (If enabled) and the radio is in an emergency call mode.
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.

◆ 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.

### **Attention:**

◆ If the emergency alarm fails, the radio returns to the main screen

#### **Re-initiate Emergency mode**

◎ There are two situations which may appear for the following:

1. When the radio is in emergency mode, and the channel is changed, this will allow radio to exit the emergency mode. If you need to activate an emergency alarm on the new channel, you need to re-press the preset [emergency alarm switch] key, and then restart the emergency call.
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.

#### **◎ Automatic or manual exit emergency mode**

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

## **View the setting of menu function and operation**

---

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

**Tips:**

- ◆ Only one of the above mentioned groups can be assigned to a radio.
- ◎ 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 ).

- ◎ When user's radio activate the encryption, the icon is displayed on the top of the screen.[  ]

**Procedure:**

1. Press the preset [Encryption ON/OFF] key
2. While turn on , the icon [  ] is displayed on the top of the screen.
3. While turn off, the icon [  ] is disappeared on the top of the screen.

**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.

### **Call Log**

Your radio will record all recent call, received and missed call. Users can use call log to view and manage the recent call activity.

- ◎ Users can perform the following tasks in each call list:

- Check/ View
- Talk time

## **View the setting of menu function and operation**

---

- Send Message
- Delete
- Clear the list

### **Checking the latest call activity**

Check the list of missed calls, received calls and outgoing calls.

#### **Procedure:**

1. Press [Menu] key to access menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "Call Log" and press [OK] key
3. Press [ $\Delta$ / $\nabla$ ] key to select "Missed calls", Incoming calls and Outgoing calls?and press [OK] key
4. Screen will display the most recent call log
5. Press [ $\Delta$ / $\nabla$ ] key to select caller alias or ID.

To answer/ reply, hold the radio vertically 2.5cm to 5cm (1 to 2 inches) from your mouth. . Hold [PTT] key to the caller alias or ID. If enabled, LED indicator light will turn to red, the screen will display the caller alias or ID as well as a call icon. Waiting for the "TX Begin Tone" to end (if enabled) then user can speak clearly into the microphone. Release [PTT] key to wait for the answer.

If anyone from the group responses, the LED indicator will lights green (if enabled) then users can see the call icon, group call ID or user ID on the screen.

If "TX Begin Tone" is enabled, you will hear a short beep when the target radio is released [PTT]. Press [PTT] key to answer

#### **OR**

Press [Menu] key to access menu.

Press [ $\Delta$ / $\nabla$ ] key to select "Search"

Press [OK] key

The Screen displays the selected alias or ID number.

Press [Back] key to return to the previous menu

#### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Talk Time"

Press [OK] key

The screen displays the time and the duration of the call.

Press [Back] key to return to the previous menu

#### **OR**

Presskey to select "Send Message"

Press [OK] key

The Screen displays the input bar and a blinking cursor.

Please refer to **Write Messgaes** on Page 25 for more detailed information.

#### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Delete"

Press [OK] key

The screen displays to confirm deletion of the character

Press [OK] key. Delete the selected contact name or ID or press the cancel key. Cancel the selected contact list or ID.

6. Press [Back] key to return to the previous menu.

## **View the setting of menu function and operation**

---

### **Clear Call Log list**

#### **Procedure:**

1. Press [Menu] key to access menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "Call Log" and press [OK] key
3. Press [ $\Delta$ / $\nabla$ ] key to select "Clear the list" and press [OK] key.
4. Press [ $\Delta$ / $\nabla$ ] Key to select required list to delete. (Missed calls, incoming calls, outgoing calls). Then press [OK] Key to confirm.
5. The screen displays the call log has been cleared.
6. Press [Back] key to return to the previous menu.

### **■ Attachment**

Users can view some general information from the attachment menu

#### **Note:**

- ◆ Some information of the radios only support to view if the radio with the optional functions.

### **□ View attachment information**

#### **Procedure:**

1. Press [Menu] key to access menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "Attachment" and press [OK] key
3. Press [ $\Delta$ / $\nabla$ ] key to select "List" and press [OK] key
4. The screen displays information of the entry lists.
5. Press [ $\Delta$ / $\nabla$ ] key to select Temperature menu  
Press [OK] key  
The screen displays the temperature value.

Press [Back] key to return to the previous menu.

**OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Flashlight"

Press [OK] key, the screen displays Flashlight ON / OFF

Press [ $\Delta$ / $\nabla$ ] key to select "ON/Off"

Press [OK] key, the screen displays the setting has been completed.

Press [Back] key to return to the previous menu

**OR**

Press key to select "Date" then press [OK] key

The screen displays the current date.( the date is set )

Return to the previous menu

5. Press [Back] key to return to the previous menu.

### **■ GPS (Optional)**

You can choose to purchase the radio with or without GPS feature. GPS feature allows you to check or send your current longitude, latitude, time, date, altitude and speed etc data.

### **□ GPS ON/OFF**

#### **Procedure:**

1. Press [Menu] key to access menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "GPS"and press [OK] key
3. The screen displays the available options of GPS
4. Press [ $\Delta$ / $\nabla$ ] key to select desired option and press [OK] key  
Press [ $\Delta$ / $\nabla$ ] key to select "GPS ON/OFF"and press [OK] key  
Press [ $\Delta$ / $\nabla$ ] key to select "GPS ON"and press [OK] key

## **View the setting of menu function and operation**

---

The screen displays the setting is done, when GPS is turned ON, the GPS icon will show on the main screen.

Your radio returns to the previous menu.

**OR**

Press key to select "GPS OFF" and press [OK] key

The screen displays the setting is done, when GPS is turned OFF, the GPS icon will disappeared on the main screen.

Your radio returns to the previous menu.

5. Press [Back] key to return to the previous menu

### **View Location and GPS data transmission**

#### **Procedure:**

1. Press [Menu] key to access menu

2. Press [ $\Delta$ / $\nabla$ ] key to select "GPS" and press [OK] key

3. The screen displays the GPS menu options

4. Press [ $\Delta$ / $\nabla$ ] key to select "List" and press [OK] key

Press [ $\Delta$ / $\nabla$ ] key to select "Position" and press [OK] key.

The screen displays the GPS information.

Press [ $\Delta$ / $\nabla$ ] key to view GPS entries.

Press [Back] key to return to the previous menu

**OR**

Press [Send] key to send GPS data.

The screen displays sub-menu options.

Press [ $\Delta$ / $\nabla$ ] key to select "Search contacts" and press [OK] key

The screen displays Contact lists

Press [ $\Delta$ / $\nabla$ ] key to select the desired contact alias or ID.

Press [OK] key and send the GPS data.

The screen displays "Sending message" or "Message has been sent"

The screen returns to Contact List.

Press [Back] key to return to the previous menu

**OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Input number" and press [OK] key

The screen displays a blinking cursor and users can input the contact ID with keyboard number.

Press [ $\Delta$ / $\nabla$ ] key to move the cursor to the left or right.

Press [delete] key to delete the character before the cursor.

After the input is completed, press [OK] key and start sending GPS data.

The screen displays "Sending message" or "Message has been sent"

The screen returns to the contact ID menu.

Press [ $\Delta$ / $\nabla$ ] key to move the cursor to the left or right.

Press [delete] key to delete the cursor

5. Press [Back] key to return to the previous menu

### **Time-zone Position Calibration**

#### **Procedure:**

1. Press [Menu] key to access menu

2. Press [ $\Delta$ / $\nabla$ ] key to select "GPS" and press [OK] key

3. The screen displays the GPS menu options

4. Press [ $\Delta$ / $\nabla$ ] key to select "Time zone" and press [OK] key

## **View the setting of menu function and operation**

---

The screen displays the Time zone menu

Press [**▲/▼**] key to select "Auto Aligning"

The screen displays "Waiting..."

Press [Back] key to cancel the auto calibration and return to the menu

**OR**

Press [**▲/▼**] key to select "Manual Aligning"

The screen displays Time zone lists.

Press [**▲/▼**] key to select current time zone entry and press [OK] key.

The screen displays the Calibration is complete.

The screen returns to previous menu.

5. Press [Back] key to return to the previous menu

**Note:**

- ◆ When GPS is in automatic calibration, you may need to wait for a moment, until the screen will show "Waiting in progress" disappears then it will finish.
- ◆ GPS Manual settings to calibrate the time, select the actual time difference (+, -).

### **■ Settings**

You can customize the functional options of your radio according to your preferences.

You can carry out the following tasks in **Settings** under the menu:

- Machine Properties
- Parameter Setting
- Regional Settings
- Time Setting
- Tone Setting
- General Setting
- Restore Factory Settings
- Function Setting
- Signaling Setting
- Encryption Settings (Only Applicable To This Type)

### **□ Machine Properties**

If your dealer or system administrator allows you to settings the radio, you can set the menu and other operation settings to see your radio Call id and Group ID.

### **□ View ID Radio**

Check your radio ID number and Group ID information.

Procedure :

- ① Press **【Menu】 Key** to access the menu
- ② Press [**▲/▼**] key to select "Settings", and press [OK] button.
- ③ Press [**▲/▼**] key to select "Machine Properties", and press [OK] button. to check radio ID or Group ID.
- ④ Press [**▲/▼**] key to return to the previous menu.

Press [**▲/▼**] key to select Private Call , and press [OK] button.

**OR**

## **View the setting of menu function and operation**

---

- Press [**▲/▼**] key to select GroupCall , and press [OK] button.  
4. Radio displays the current selected call or group call ID information.  
5. Press [BACK] key to return to the previous menu.

### **Parameter Setting**

If your dealer or system administrator allows you to default the radio settings, then you can set menu and other operations system by parameters, call time, high/low power, relay time slot and power saving mode,etc..

### **Call Time Limit**

To avoid affecting communications of others due to the long time transmitting, you can turn the call time limit function ON or OFF. When enables the call time limit function, your radio will begin timing the moment you press the [PTT] button,when reaching the set time limit, the radio will automatically stop transmitting. Unless you release the 【PTT】 button and press it again.

#### **Procedure:**

1. Press [Menu] Key to access the menu.
2. Press [**▲/▼**] key to select "Settings", and press [OK] button.
3. Press [**▲/▼**] key to select "Parameter Setting ", then press [OK] button.
4. Press [**▲/▼**] key and choose from the following options, then press [OK] button.

Press [**▲/▼**] key to select "Call Time Limit" then press [OK] button.  
Press [**▲/▼**] key to select "Time Limit Setting", then press [OK] button.

The screen displays the talk time length (in seconds). (Setting range: 500S ~ 20S)

Press [**▲/▼**] key to select the time value.

After complete the selection.

Press [**▲/▼**] key , according to the confirmation, the screen shows "Long call placement has been set" or press [BACK] key to return to the previous menu.

#### **OR**

Press [**▲/▼**] key to select "ON/OFF Call Time Limit" then press [OK] button.

Press [**▲/▼**] key to select "ON/OFF Menu [**▲/▼**]" then press [OK] button.

The screen displays the setting is completed and return to the previous menu.

5. Press[BACK] key to return to the previous menu.

### **High / Low Power**

If it is allowed by dealer or system administrator, users can set and check the output power level through menu display.

#### **Note:**

- ◆ Radios with high power can communicate with target radio in a longer distance.
- ◆ Radios with low power can communicate with the target

## **View the setting of menu function and operation**

---

radio in a shorter distance.

### **Procedure:**

Press the preset High/Low Power key to switch between high power and low power.

### **OR**

Choose the power level from the menu:

1. Press [Menu] key to access the main menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" and press [OK] key.
3. Press [ $\Delta$ / $\nabla$ ] key to select "Parameter Setting" and press [OK] key.
4. Press [ $\Delta$ / $\nabla$ ] key to select "High/Low Power" and press [OK] key.
- Press [ $\Delta$ / $\nabla$ ] key to select "High Power" and press [OK] key.
- The screen shows "Powered selected" and backs to the previous menu.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Low Power" and press [OK] key.

The screen shows "Power Selected" and backs to the previous menu.

5. Press [Back] key to return to the previous menu.

### **Repeater Timeslot**

If it is allowed by dealer or system administrator, users can set and check the repeater timeslot through menu display.

### **Procedure:**

1. Press [MENU] key to access the main menu.

2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" and press [OK] key.

3. Press [ $\Delta$ / $\nabla$ ] key to select "Parameter Setting" and press [OK] key.

4. Press [ $\Delta$ / $\nabla$ ] key to select "Repeater Timeslot" and press [OK] key.

5. Press [ $\Delta$ / $\nabla$ ] key to select the sub-menu.

Press [ $\Delta$ / $\nabla$ ] key to select "Timeslot 1" and press [OK] key.

The screen shows "Timeslot selected" and backs to the previous menu.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Timeslot 2" and press [OK] key.

The screen shows "Slot Selected" and backs to the previous menu.

6. Press [Back] key to return to the previous menu.

### **Power Saving Mode**

If it is allowed by dealer or system administrator, users can set or check the Power Saving Mode of the radio through menu display, to improve the energy utilization and extend the battery operating time.

### **Procedure:**

1. Press [MENU] key to access the main menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" and press [OK] key.
3. Press [ $\Delta$ / $\nabla$ ] key to select "Parameter Setting" and press [OK] key.

## **View the setting of menu function and operation**

---

4. Press [**▲/▼**] key to select "Power Save Mode" and press[OK] key.

5. Press [**▲/▼**] key to select the sub-menu.

Press [**▲/▼**] key to "ON/OFF" and press [OK] key.

Press [**▲/▼**] key to select ON or OFF, and press [OK] key.

The screen shows "Saved" and backs to the previous menu.

**OR**

Press [**▲/▼**] key to select "Deferred Starting Time" and press [OK] key.

The screen shows the starting time of Power Saving Mode on the display.

Press [**▲/▼**] key to select the Starting Time (range: 10s-60s), then press [OK] key.

The screen shows "Selected" and backs to the previous menu.

**OR**

Press [**▲/▼**] key to select "Sleep Time Ratio" and press [OK] key.

The Sleep Time Ratio will be listed on the display.

Press [**▲/▼**] key to select your desired ratio, and press [OK] key.

The screen shows "Selected" and backs to the previous menu.

6. Press [Back] key to return to the previous menu.

**Note:**

The settings are valid ONLY when the Power Saving Mode is turned on.

Please set the sleep time ratio reasonably according to the actual need (The longer the sleep time you set, the longer

the battery working time would be. But it may also cause delay in re-connect the signal).

### **□ Zone Setting**

A zone is a group of channels. Your radio supports up to 16 zones, with a maximum of 16 digital channels and 16 analog channels per zone.

#### **□ Select a Zone**

If it is allowed by dealer or system administrator, users can set and check the zone information through menu display.

**Procedure:**

Press the preset [Zone] key to choose a zone for the radio.

**OR**

Follow the steps below.

1. Press the [Menu] key to access the main menu.

2. Press [**▲/▼**] key to select [Setting], and press [OK] to access the sub-menu.

3. Press [**▲/▼**] key to select [Zone] in sub-menu, and press [OK] to access zone list.

4. There are the zone lists (16 zones at most).

5. Press [**▲/▼**] key to select a desired zone in zone list and press [OK] to confirm.

6. The screen shows "Zone Selected"

7. The radio returns to the home screen.

**Note:**

## **View the setting of menu function and operation**

---

- ◆ The number and names of the zones in the list should be preset by your distributor or system administrator (there can be a maximum of 16 zones).
- ◆ The zone is showed on the screen after it is selected.

### **Time Setting**

If it is allowed by dealer or system administrator, users can set and check the date, time, and date format through menu display.

#### **Procedure:**

Setting the time,date and date display format.

#### **Procedure:**

1. Press [Menu] Key to access the menu
2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" then press [OK] key
3. Press [ $\Delta$ / $\nabla$ ] key, select "Time Settings" then press [OK]key
4. Press [ $\Delta$ / $\nabla$ ] key to select the desired sub-menu.

Press [ $\Delta$ / $\nabla$ ] key to select "Date" and press [OK] key.

There is year/month/day (depending on the date format).

Press [ $\Delta$ / $\nabla$ ] key and then input the date.

The screen shows "Date Saved" when the date is set. Please press [Back] to return to the previous menu.

#### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Date Format" and press [OK] key.  
There is different date format listed on the display, Y/M/D, M/D/Y, D/M/Y.

Press [ $\Delta$ / $\nabla$ ] key to select the desired date format, and press

[OK] key.

The screen shows "Date Format Saved" and backs to the previous menu.

### **Prompt Tone**

Users can set or check the prompt of the radio through the menu, if it is allowed by the distributor or system administrator. You can set or check the prompt of following functions:

- Profiles
- Keystone
- Low Battery Alert
- Message Tone
- Private Call Tone
- Group Call Tone
- Call Alert Tones

### **Profiles**

If it is allowed by dealer or system administrator, users can set and check the profile tone of the radio through menu display.

#### **Profile Setting**

There are 4 profiles available on your radio:

- Standard — turn on all prompts
- Silent — turn off all prompts
- Vibrate — vibrate but without prompts (optional)
- Vibrate on Ring — vibrate with prompts on (optional)

## **View the setting of menu function and operation**

---

### **Note:**

Those profiles with "- ! -"are optional or not available at present.

### **Procedure:**

1. Press [Menu] Key to access the menu
2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" then press [OK] key
3. Press [ $\Delta$ / $\nabla$ ] key, select "Prompt Tone" then press [OK] key
4. Press [ $\Delta$ / $\nabla$ ] key to select "Profiles"
5. Press [ $\Delta$ / $\nabla$ ] key to select the desired option.

Press [ $\Delta$ / $\nabla$ ] key to select "Standard" and press [OK] key.

The screen shows "Profile Saved" Please press [Back] to return to the previous menu.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Silent" and press [OK] key.

The screen shows "Profile Saved" Please press [Back] to return to the previous menu.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Vibrate" and press[OK] key.

The screen shows "Profile Saved" Please press [Back] to return to the previous menu.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Vibrate on Ring" and press [OK] key.

The screen shows "Profile Saved" Please press [Back] to return to the previous menu.

6. Press [Back] to return to the previous menu.

### **Note:**

You cannot operate or set those profiles that are optional or not available.

### **Keystone Setting**

- ◆If it is allowed by dealer or system administrator, users can set and check the keystone of the radio through menu display.
- ◆You can turn on or off the keystone and adjust its volume.

### **Procedure:**

1. Press [Menu] Key to access the menu
2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" then press [OK] key
3. Press [ $\Delta$ / $\nabla$ ] key, select "Prompt Tone" then press [OK] key.
4. Press [ $\Delta$ / $\nabla$ ] key to select "Keystone Setting"
5. Press [ $\Delta$ / $\nabla$ ] key to select the desired sub-menu.

Press [ $\Delta$ / $\nabla$ ] key to select "ON/OFF" and press [OK] key.

Press [ $\Delta$ / $\nabla$ ] key to select "ON" and press [OK] key.

The screen shows "Keystone Saved" and backs to the previous menu.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "ON" and press [OK] key.

The screen shows "Keystone Saved" and backs to the previous menu.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Keystone Volume" and press [OK] key.

Press [ $\Delta$ / $\nabla$ ] key to select the volume, and press [OK] key.

## **View the setting of menu function and operation**

---

The screen shows "Volume Saved" and backs to the previous menu.

6. Press [Back] to return to the previous menu.

### **Low Battery Alert**

If it is allowed by dealer or system administrator, users can set and check low battery alert through menu display.

#### **Low Battery Alert Setting**

You can turn on or off the low battery alert and adjust its volume.

**Procedure:**

1. Press [Menu] Key to access the menu
2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" and press [OK] key
3. Press [ $\Delta$ / $\nabla$ ] key, select "Prompt Tone" and press [OK] key.
4. Press [ $\Delta$ / $\nabla$ ] key to select "Low Battery Alert" and press[OK] key
5. Press [ $\Delta$ / $\nabla$ ] key to select the desired sub-menu and press [OK] key

Press [ $\Delta$ / $\nabla$ ] key to select "ON/OFF" and press [OK] key.

Press [ $\Delta$ / $\nabla$ ] key to select "ON" and press [OK] key.

The screen shows "Alert Saved" and backs to the previous menu.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "ON" and press [OK] key.

The screen shows "Aert Saved" and backs to the previous menu.

### **OR**

Press [ $\Delta$ / $\nabla$ ] key to select "Volume Control" and press [OK] key.

Press [ $\Delta$ / $\nabla$ ] key to select the volume, and press [OK] key.

The screen shows "Volume saved" and backs to the previous menu.

6. Press [Back] to return to the previous menu.

### **Message Tone**

If it is allowed by dealer or system administrator, users can set and check the message tone through menu display.

#### **Message Tone Setting**

You can select the desired message tone (tone 1 - 5) showed when there is a message received.

**Procedure:**

1. Press [Menu] Key to access the menu.
2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" and press [OK] key.
3. Press [ $\Delta$ / $\nabla$ ] key, select "Prompt Tone" and press [OK] key.
4. Press [ $\Delta$ / $\nabla$ ] key to select "Message Tone" and press [OK] key.
5. There are different message tone options on the display.
6. Press [ $\Delta$ / $\nabla$ ] key to select the desired tone and press [OK] key.
7. The screen shows "Tone Saved" and backs to the previous menu.

8. Press [Back] to return to the previous menu.

### **Private Call Tone**

If it is allowed by dealer or system administrator, users can

## **View the setting of menu function and operation**

---

set and check the private call tone through menu display.

### **Private Call Tone Setting**

You can turn on or off private call tone when the radio transmits or receives the private call, and select the desired tone from tone 1 to tone 5.

You can turn on or off the private call tone in 4 different modes.

- TX Begin Tone — when you press [PTT] key to transmit.
- TX Ended Tone — when you release [PTT] key.
- RX Begin Tone — when the radio is in receiving
- RX Ended Tone — when the radio stops receiving.

#### **Note:**

Tick "✓" to turn on the tone. Untick "✓" to turn off the tone.

#### **Procedure:**

1. Press [Menu] Key to access the menu
2. Press [ $\Delta/\nabla$ ] key to select "Settings" and press [OK] key
3. Press [ $\Delta/\nabla$ ] key, select "Prompt Tone" and press [OK] key
4. Press [ $\Delta/\nabla$ ] key to select "Private Call Tone" and press [OK] key
5. Press [ $\Delta/\nabla$ ] key to select the desired sub-menu and press [OK] key

Press [ $\Delta/\nabla$ ] key to select "ON/OFF" and press [OK] key

Press [ $\Delta/\nabla$ ] key to select "ON" or "OFF" and press [OK] key.

The screen returns to the previous menu.

#### **OR**

Press [ $\Delta/\nabla$ ] key to select "Ring Tones" and press [OK] key

There are different tone options (tone 1-5) on the display.

Press [ $\Delta/\nabla$ ] key to select the desired tone and press [OK] key

The screen shows "Tone Saved" and backs to the previous menu.

6. Press 【Back】 to return to the previous menu.

### **□ Group Call Tone**

If it is allowed by dealer or system administrator, users can set and check the group call tone through menu display.

#### **Group Call Tone Setting**

You can turn on or off group call tone when the radio transmits or receives the group call, and select the desired tone from tone 1 to tone 5.

You can turn on or off the group call tone in 4 different modes.

- TX Begin Tone — when you press [PTT] key to transmit.
- TX Ended Tone — when you release [PTT] key.
- RX Begin Tone — when the radio is receiving.
- RX Ended Tone — when the radio stops receiving.

#### **Note:**

Tick "✓" to turn on the tone. Untick "✓" to turn off the tone.

#### **Procedure:**

1. Press [Menu] Key to access the menu
2. Press [ $\Delta/\nabla$ ] key to select "Settings" and press [OK] key
3. Press [ $\Delta/\nabla$ ] key, select "Prompt Tone" and press [OK] key
4. Press [ $\Delta/\nabla$ ] key to select "Group Call Tone" and press [OK] key
5. Press [ $\Delta/\nabla$ ] key to select the desired sub-menu and press

## **View the setting of menu function and operation**

---

### [OK] key

Press [ $\Delta$ /▼] key to select "ON / OFF" and press [OK] key  
Press [ $\Delta$ /▼] key to select "ON" or "OFF" and press [OK] key.  
The display returns to the previous menu.

### OR

Press [ $\Delta$ /▼] key to select "Ring Tones" and press [OK] key  
There are different tone options (tone 1-5) listed on the display.  
Press [ $\Delta$ /▼] key to select the desired tone and press [OK] key  
The screen shows "Tone Saved" and backs to the previous menu.  
6. Press [Back] to return to the previous menu.

### □ Call Alert Tones

If it is allowed by dealer or system administrator, users can set and check the call alert tone through menu display.

#### **Call Alert Tone**

Users can turn on or off call alert tone when the radio transmits or receives the private call, and select the desired tone from tone 1 to tone 5.

#### **Procedure:**

1. Press [Menu] Key to access the menu
2. Press [ $\Delta$ /▼] key to select "Settings" and press [OK] key
3. Press [ $\Delta$ /▼] key, select "Prompt Tone" and press [OK] key
4. Press [ $\Delta$ /▼] key to select "Call Alert Tone" and press [OK] key
5. There is call alert tone list on the display.

6. Press [ $\Delta$ /▼] key to select the desired tone and press [OK] key

7. The screen shows "Tone Saved" and backs to the previous menu.  
8. Press [Back] to return to the previous menu.

### □ Basic Settings

If it is allowed by dealer or system administrator, users can set and check basic settings of your radio through menu display.

You can set or check the following basic functions:

- Language
- Keypad Lock
- Backlight
- Version
- Display Mode
- Encoder Knob
- VOX

### □ Language

If it is allowed by dealer or system administrator, users can set and check language of the radio through menu display.

#### **Language Setting**

You can select one language from the preset language list on your radio to be displayed on your radio.

#### **Procedure:**

1. Press [Menu] Key to access the menu

## **View the setting of menu function and operation**

---

2. Press [**▲/▼**] key to select "Settings" and press [OK] key
3. Press [**▲/▼**] key, select "Basic Settings" and press [OK] key
4. Press [**▲/▼**] key to select "Language" and press [OK] key
5. There is different languages listed on the display.
6. Press [**▲/▼**] key to select the desired language and press [OK] key
7. The screen shows "Language Selected" and backs to the previous menu.
8. Press [Back] to return to the previous menu.

### **Keypad Lock**

If it is allowed by dealer or system administrator, users can set and check the keypad lock through menu display.

#### **Keypad Lock Setting**

You can select any mode of keypad lock according to your need, in case that there is unnecessary character input.

You can select one of the following modes of keypad lock.

- Auto — The keypad will be locked when there is no operation for 1 min.
- Manual — Press [OK] key and then press [\*] key to unlock the keypad

#### **Procedure:**

1. Press [Menu] Key to access the menu
2. Press [**▲/▼**] key to select "Settings" and press [OK] key
3. Press [**▲/▼**] key, select "Basic Settings" and press [OK] key

4. Press [**▲/▼**] key to select "Keypad Lock" and press [OK] key
5. There are different keypad lock modes on the display.
6. Press [**▲/▼**] key to select the desired mode and press [OK] key

Press [**▲/▼**] key to select "Auto" and press [OK] key

Press [**▲/▼**] key to select "ON/OFF" and press [OK] key

The screen shows "Mode Selected" and backs to the previous menu.

#### **OR**

Press [**▲/▼**] key to select "Manual" and press [OK] key

Press [**▲/▼**] key to select "ON/OFF" and press [OK] key

The screen shows "Mode Selected" and backs to the previous menu.

7. Press [Back] to return to the previous menu.

#### **Note:**

Press [OK] key and then press [\*] key to unlock the keypad.

### **Backlight**

If it is allowed by dealer or system administrator, users can set and check the backlight through menu display.

#### **LCD Light Mode and Brightness**

You can set the LCD light mode and lightness to save the power of battery.

You can select from the following LCD light mode.

- On — the LCD light remains solid on.

## **View the setting of menu function and operation**

---

- Off — the LCD light is off (there is micro light).
- Auto — the LCD light will be off automatically when there is no operation for more than 1 minute. And it will light when you press the key or there is signal received.

### **Procedure:**

Press the preset [LCD Light ON/OFF] key to switch between LCD ON or OFF.

### **OR**

1. Press [Menu] Key to access the menu
2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" and press [OK] key
3. Press [ $\Delta$ / $\nabla$ ] key, select "Basic Settings" and press [OK] key
4. Press [ $\Delta$ / $\nabla$ ] key to select "LCD Light" and press [OK] key
5. Press [ $\Delta$ / $\nabla$ ] key to select the desired sub-menu and press [OK] key

Press [ $\Delta$ / $\nabla$ ] key to select "ON/OFF" and press[OK] key

The LCD Light Modes will be listed on the display.

Press [ $\Delta$ / $\nabla$ ]key to select the desired mode and press [OK]key  
The screen shows "Mode Selected" and backs to the previous menu.

Press [Back] key to returns to the previous menu

### **OR**

- Press [ $\Delta$ / $\nabla$ ] key to select "Brightness" and press [OK] key  
Press [ $\Delta$ / $\nabla$ ] key to select the desired brightness and press [OK] key

The screen shows "Saved" and backs to the previous menu.

6. Press [Back] key to returns to the previous menu.

### **Version**

If it is allowed by dealer or system administrator, users can set and check the version of the radio through menu display.

### **View Version Information**

You can check the version information of your radio if needed.

### **Procedure:**

1. Press [Menu] Key to access the menu
2. Press [ $\Delta$ / $\nabla$ ] key to select "Settings" and press [OK] key.
3. Press [ $\Delta$ / $\nabla$ ] key, select "Basic Settings" and press [OK]key.
4. Press [ $\Delta$ / $\nabla$ ] key to select "Version?"and press [OK] key.
5. The screen shows the version information of the radio.
6. Press [Back] key to returns to the previous menu.

### **Display Mode**

If it is permitted by dealers or system administrator, users can set and check display mode of their radio through menu display.

### **Display mode options:**

- Channel No. & Name — Channel number and preset contact name will be displayed on screen.
- Channel No. & Freq — Channel number and frequency will be displayed on screen.
- Channel No. — Channel number to be displayed on screen.

## **View the setting of menu function and operation**

---

### **Procedure:**

1. Press [Menu] key to access the menu.
2. Press [ $\Delta/\nabla$ ] key to choose "Settings" then press [OK]
3. Press [ $\Delta/\nabla$ ] key to choose "Others" then press [OK]
4. Press [ $\Delta/\nabla$ ] key to choose "DispMode" then press [OK]
5. Display modes list will be displayed on screen.
6. Press [ $\Delta/\nabla$ ] key to choose your desired mode and then press [OK]
7. "Setted" pops up on screen once the operation completed and back to previous menu.

### **Encode switch**

If it is permitted by dealers or system administrator, users can set and check encoder switch.

### **Channel Switch**

Users can turn ON or OFF the channel switch or press [ keypad lock] key to prevent accidentally press from changing channel.

### **Procedure:**

1. Press [Menu] key to access menu.
2. Press [ $\Delta/\nabla$ ] key to choose "Settings" then press [OK]
3. Press [ $\Delta/\nabla$ ] key to choose "Others" then press [OK]
4. Press [ $\Delta/\nabla$ ] key to choose "Channel Switch" then press [OK]
5. ON or OFF will be displayed on screen.
6. Press [ $\Delta/\nabla$ ] key to choose your desired set and then press [OK]

7. "Setted" pops up on screen once the operation completed and back to previous menu.

### **VOX**

If it is permitted by dealers or system administrator, users can set and check VOX feature and sensitivity level through menu display.

#### **VOX Switch**

Users can turn ON VOX, so that they can initiate the call without pressing [PTT] key. If the microphone with VOX detects voice, the radio will auto transmitting until the microphone fails to detect voice.

#### **Note:**

To turn on or off VOX only be effective against the radio with VOX ON. Please contact your dealer or system administrator for more information.

### **Procedure:**

Press the preset [VOX] key, VOX will be switched between ON and OFF.

Or operate via following instruction:

1. Press [Menu] key to access menu.
2. Press [ $\Delta/\nabla$ ] key to choose "Settings" then press [OK]
3. Press [ $\Delta/\nabla$ ] key to choose "Others" then press [OK]
4. Press [ $\Delta/\nabla$ ] key to choose "VOX" then press [OK]
5. Press [ $\Delta/\nabla$ ] key to your desired sub-menu, and press [OK]

## **View the setting of menu function and operation**

---

Press [**▲/▼**] key to choose "VOX Switch" then press [OK]; "Turn On" and "Turn OFF" will be displayed on screen

Press [**▲/▼**] key to choose desired set, then press [OK] to confirm, and back to previous menu.

**OR**

Press [**▲/▼**] key to choose "VOX Level" then press [OK]; "One to Twelfth" will be displayed on screen

Press [**▲/▼**] key to choose desired level, then press [OK] to confirm, and back to previous menu.

6. Press [Back] to back previous menu.

**Note:**

◆ The higher level the higher sensitivity for voice detected.  
User need to program it according the working environment.

### **Restore Factory**

If it is permitted by your dealer or system administrator, users are allowed to set and restore radios to factory default from menu display.

#### **Restore factory setting**

Users can restore some basic settings to factory default, if required.

**Procedure:**

1. Press [Menu] key to access menu .
2. Press [**▲/▼**] key to choose "Settings" then press [OK]
3. Press [**▲/▼**] key to choose "StorFactory" then press [OK]

4. A warning note will pop up on screen for your double check.

5. Press [OK] again to confirm, and back to previous menu.

**OR**

Press [Cancel] to cancel it and back to previous menu.

6. Press [Back] to back previous menu.

### **FM Radio**

If it is permitted by your dealer or system administrator, users can operate or check FM radio from menu display.

#### **FM radio operation**

Users can turn ON or OFF FM radio, and listen to FM program and save it if required.

**Procedure:**

1. Press [Menu] key to access the menu.
2. Press [**▲/▼**] key to choose "FM Radio" then press [OK ]
3. Screen will display received FM frequency.

Press [**▲/▼**] key to seek or select FM frequency.

Press [Back] to exit FM radio.

**OR**

Press [Ok]

Screen will display sub-menu options.

Press [**▲/▼**] to choose your desired option, then press [OK]

- Press [**▲/▼**] to choose "Save Ch" and press [OK]
- "FM list saved" will pop up once operation done. And back to previous menu.

## **View the setting of menu function and operation**

---

- Press [Back] to exit FM radio.

**OR**

- Press [**▲/▼**] to choose "Sel Saved CH" and press [OK]
- Screen will display a list of saved FM channels.
- Press [**▲/▼**] to choose desired channel for further operation.

If Press [**▲/▼**] to choose "Delete" and press [OK]. A warning note will pop up for your double check.

Press [OK] to confirm, and a note pops up means operation done. Or press [Cancel] to cancel the operation, and back to upper menu.

**OR**

Press [**▲/▼**] to choose "PLAY" and press [OK]  
Screen will back to FM radio, and play the selected FM channel.

**OR**

- Press [**▲/▼**] to select "Seek Mode" and press [OK]
- Press [**▲/▼**] to choose "Manual" or "Auto" mode, and press [OK]. Then a note pops up and means operation succeeded.
- Press [Back] to exit FM radio.

**Note:**

- ◆ To choose "Manual" the radio will seek FM radio frequency by step frequency at 100Mhz.
- ◆ To choose "Auto" the radio will auto seek FM frequency. Once signal received, it will stop seeking and start playing the program.

- ◆ Once you are listening to FM program, if you press PTT key, FM radio will be exited temperately until PTT released.

### **■ Scan**

If it is permitted by your dealer or system administrator, users can check or operate scan feature through menu display.

#### **□ Scan ON or OFF**

Once scan is enabled, the radio will start scan cyclically to check if there is any activities in the channel under the scan list . Once the scan is ON, the LED will flash RED, and scan icon [] will be displayed on the top of screen.

When mixed modes (analogue and digital) channels under scanning, if your radio stays on a digital channel, but radio scans an analogue signal and locked on the channel, then the radio will auto switch to analogue mode from digital mode during the calling duration, vice versa.

#### **Scan mode:**

When you activate the scan, radio will start scan preset channels or groups in the scan list. According to your preset, the scan may start from the last active channel or group that being scanned, or from the channel that radio currently stays on.

#### **Note:**

- ◆ "Talkback" or "Scan TX mode" and "Appointed channels" etc scan detail settings can be preset by your dealer or system administrator.

## **View the setting of menu function and operation**

---

### **Procedure:**

Press defined [Scan] key to turn ON or OFF scan.

### **OR**

to turn on or off scan switch as below:

1. Press [Menu] key to access the menu.
2. Press [ $\Delta$ / $\nabla$ ] to choose "Scan" then press [OK].
3. Screen displays sub-menu options.
4. Press [ $\Delta$ / $\nabla$ ] to choose "Scan" then press [Ok] .
5. Scan list displayed on screen.
6. Press [ $\Delta$ / $\nabla$ ] to choose your desired items and press [OK].
7. "Start scan" and "Disable scan" will be displayed on screen for selection.

To choose "Start scan" and press [OK], a scan icon will be displayed on screen, and radio back to home screen.

### **Note:**

- ◆ Once scan activated, LED will flash RED and scan icon [  ] displayed on screen.

### **OR:**

To choose "Disable scan" and press [OK] . A note pops up on screen and then back to previous menu.

### **Note:**

- ◆ Once Scan is disabled, LED will be off, and scan icon [  ] will disappear from main screen.

### **Scan mode**

If it is permitted by your dealer or system administrator, users can check or operate scan mode through menu display..

### **Scan mode setting**

You can select the processing modes when the radio detects signal over the air if needed.

#### **◎ Options**

- CO (carrier) — Once radio receives a scanned signal over the air, it will stay on that channel until signal disappears, and then continue to scanning.
- TO (Time) — Once the radio receives a scanned signal over the air, it will stay on that channel for a preset time. Once time is out, it will continue to scanning.
- SE (Seek) — Once the radio receives a scanned signal over the air, it will stay on that channel and stop scanning until you re-activate to scanning

### **Procedure:**

1. Press [MENU] to access the menu.
2. Press [ $\Delta$ / $\nabla$ ] to choose "scan mode" and press [OK].
3. Sub-menu under scan will displays on screen.
4. Press [ $\Delta$ / $\nabla$ ] to choose desired scan mode, and press [OK].
5. Once operation is completed, a note will pop up on screen, and then back to previous menu.
6. Press [Back] to back previous menu.

## **View the setting of menu function and operation**

---

### **Scan List**

Users can preset scan lists and assign them to single channels or groups. Radio will scan cyclically to check if there is voice signal on current channel or group. Your radio supports up to 16 scan lists, and each scan can contain a maximum of 512channels. Each scan list supports both digital and analogue modes.

If it is permitted by your dealer or system administrator, users can edit, add, delete or choose priority channels through menu display.

### **Check Scan List members**

#### **Procedure:**

1. Press [Menu] to access the menu.
2. Press [ $\Delta$ / $\nabla$ ] to choose "Scan" and then press [OK].
3. Scan sub-menu options listed on screen.
4. Press [ $\Delta$ / $\nabla$ ] to choose "Scan List" and then press [OK].
5. All Scan lists displayed on screen.
6. Press [ $\Delta$ / $\nabla$ ] to choose desired scan list, and then press [OK].
7. All channels number or name on the scan list will be displayed on the screen.
8. Press [ $\Delta$ / $\nabla$ ] to check the scan list members.
9. Press [Back] to back previous menu.

### **Add new members to the scan list**

#### **Procedure:**

1. Press [Menu] to access the menu.
  2. Press [ $\Delta$ / $\nabla$ ] to choose "Scan" and then press [OK].
  3. Scan sub-menu options listed on screen.
  4. Press [ $\Delta$ / $\nabla$ ] to choose "Scan List" and then press [OK].
  5. Scan list items displayed on screen.
  6. Press [ $\Delta$ / $\nabla$ ] to choose desired scan list, and then press [OK].
  7. All channel Numbers or names on the scan list will be displayed on screen.
  8. Press [ $\Delta$ / $\nabla$ ] to choose "ADD CH"
  9. Press [OK] The screen will display the available channels Numbers or names for adding.
  10. Press [ $\Delta$ / $\nabla$ ] to choose desired channel number or name.
  11. Press [Ok] to add it to scan list, back to scan member list.  
**OR**  
Press [Back] to back to scan list.
  12. Press [Back] to back previous menu.
- Note:**
- ◆ If you wish to continue to add new members, please repeat the above steps from 8 to 11.
- Priority Channel or disable priority channel.**
- Procedure:**
1. Press [MENU] to access the menu.
  2. Press [ $\Delta$ / $\nabla$ ] to choose "Scan" and then press [OK].

## **View the setting of menu function and operation**

---

3. Scan sub-menu options listed on screen.
4. Press [ $\Delta/\nabla$ ] to choose "Scan List" and then press [OK].
5. Scan list items displayed on screen.
6. Press [ $\Delta/\nabla$ ] to choose desired scan list, and then press [OK].
7. All channel Numbers or names on the scan list will be displayed on screen.
8. Press [ $\Delta/\nabla$ ] to choose desired channel number or name, and press [OK]
9. Press [ $\Delta/\nabla$ ] to choose the desired option.  
Press [ $\Delta/\nabla$ ] to choose "Set PriCH" and press [OK]. Once operation completed, a note will pop up on screen. And then back to scan member list.

**OR**

Press [ $\Delta/\nabla$ ] to choose "Disable PriCH" and press [OK]. Once operation completed, a note will pop up on screen. And then back to scan member list.

10. Press [Back] to back to previous menu.

**Note:**

- ◆ The Priority icon "P" appears next to the channel in the scan list, to indicate the channel is a priority channel. You can have ONLY one priority channel in a scan list.
- ◆ If the priority channel is to be disabled, then the icon "P" will be disappear.

**Delete scan list member / members**

If a channel keeps no activities or no signals (called "Useless" channel) during scan, you can delete it temporarily from the scan list.

**Procedure:**

1. Press [MENU] to access the menu.
  2. Press [ $\Delta/\nabla$ ] to choose "Scan" and then press [OK].
  3. Scan sub-menu options listed on screen.
  4. Press [ $\Delta/\nabla$ ] to choose "Scan List" and then press [OK].
  5. Scan list items displayed on screen.
  6. Press [ $\Delta/\nabla$ ] to choose desired scan list, and then press [OK].
  7. All channel Numbers or names on the scan list will be displayed on screen.
  8. Press [ $\Delta/\nabla$ ] to choose desired channel number or name, and press [OK]
  9. Scan sub-menu options listed on screen.
  10. Press [ $\Delta/\nabla$ ] to choose "Delete" and press [OK].
  11. Once operation completed, a note will pop up on screen.
  12. And then back to scan list.
  13. Press [Back] to back to previous menu.
- Note:**
- ◆ If you wish to continue to delete other "Useless" channel, please repeat the above procedures from 8 to 12.

## **View the setting of menu function and operation**

---

- ◆ If channel numbers or names to be deleted, it will exit the scan list. When you start scan, you will not scan them again, unless you add them to the scan list again.

### **■ To preset scan via programming software**

You, Your dealer or system administrator can program the talkback modes or transmitting types during scanning via programming software.

#### **□ Talkback and transmitting types**

Your radio will stay on an active channel or group talk during scan, the time period when radio stays on the channel or group talk is called "Idle time"

- ◎ You can preset the talkback and transmitting types via software.

#### **• Talkback**

- ①. If software presets it ON, when a carrier signal on the scan list is received during scan, and disappear in 3s later. Press [PTT] button to reply the current channel member scanned.
- ②. If software presets it OFF, you can set the transmitting reply mode through [Scan transmitting mode].

#### **Note:**

- ◆ Options: ON/OFF
- ◆ Default: ON

#### **• Scan transmitting mode**

- ①. Start channel — To reply call before scan initiated.

- ②. Last active channel — To reply call on last previous active channel.

- ③. Appointed channel — To appoint a channel to reply call.

#### **• Appointed channel**

If to choose appointed channel for reply, when your radio receives a carrier signal scanned on a scan list during scanning, and when the signal disappears, press [PTT] to reply the call on that appointed channel.

## 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**

---



## **Optional accessories**

---



Air conduit earphone



Earphone-1



Earphone-2



Programmable cable



Power supply for car charger



Speaker microphone

# Kydera®

PROFESSIONAL DIGITAL TWO-WAY RADIO

