

Logout Emergency Mode

The walkie talkie will logout emergency mode when any of the following situations happen.

- Confirm with the received emergency call, or
- Meet with the max emergency call, or
- press the pre-programmed emergency off key, or
- Press[PTT]key.

Notice: Emergency mode will be logout when power off the walkie talkie. Radio will not under emergency mode when the radio is power on next time.

User's Manual

Menu operation Settings

Professional FM Transceiver

Menu operation

Character Input

Users can use the 3 x 4 alphanumeric keypad to access the radio's function. When you're Using the keypad to input a user alias or text messages, walkie-talkie input contains three modes: 1, English letters mode, 2, chinese input mode, 3, digital input mode. When using the keypad input ID, you can only select the digital mode.

English Typing:

Users have to press a button several times for getting some characters. The following table shows how many times needed to press a button to get the required character.0

Button	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	.	,	?	!	@	&	'	%	-	:	*	#
2	a	b	c	2	A	B	C						
3	d	e	f	3	D	E	F						
4	g	h	i	4	G	H	I						
5	j	k	l	5	J	K	L						
6	m	n	o	6	M	N	O						
7	p	q	r	s	7	P	Q	R	S				
8	t	u	v	8	T	U	V						
9	w	x	y	z	9	W	X	Y	Z				
0	Space												
*	*												
#	Press # to switch mode.												

Chinese Typing

Number 1 is a button of punctuation s selection input, Number 2-9 are correspond Pinyin input, when user input something, the screen shows the pinyin input interface, the first line of interface shows the contents inputted by user., second line of interface shows the Chinese characters what users input. When the content of the pinyin input interface show in the first row,users can move[↶ or ↷] to select Pinyin, users can press [BACK] button to delete the Pinyin what they inputted previously one by one, when all the Pinyin characters were deleted, Pinyin input interface disappeears. Press [MENU] button to choose corresponding Chinese characters and display them in the editing area, At this time the Chinese character input fin- ised, Pinyin input interface disappears. . Pressing* button shows *, pressing 0 button shows space, press # to switch input modes.

Numeral Writing

When in the Numbers input mode, press the number keys to display the corresponding number, press the "key to display" on the screen, press # to switch input mode.
Note: When users Enter a user alias, ID, or text messages, if editing area without any content, then the [BACK] button is used for returning to the higher level menu, or else if there is any content on the editor area, pressing [BACK] will delete one character before the cursor at one time, until the editing area has no content, then press the [BACK] button to return to the higher level menu.

Menu Application

1. Press [**MENU**] to enter Menu, then move left or right [**↶** or **↷**] to access the menu function
2. Press [**MENU**], select a function or go into a sub menu
3. Press [**BACK**] to return the higher level menu

Note: After a period of time not activity radio will automatically exit and return to the main menu screen (hang time is set by the programming software).

Radio chcek

If there are any activation, this feature allows you to determine whether there is other two way radio active inside the system, and does not disturb the walkie-talkie users, none-voice or visual notice appears on the target two way radio

Send Radio Check

Using Menu:

1. Press [**MENU**] to enter Menu
2. Move [**↶** or **↷**] button to select Contacts, then press [**MENU**] to select.
3. Move [**↶** or **↷**] toThe required user alias or ID,then press [**MENU**] to select
Or press [**↶** or **↷**] key to manual dialing, and then press [**MENU**] key to select. If there are before calling ID, show ID and along with the flashing cursor, using the keyboard editing ID, press [**MENU**] .
4. Move [**↶** or **↷**] to radio detection, and then press [**MENU**] to select

5. When Screen displays radio detection: < user alias or ID >, it is indicating the ongoing of radio detection. The LED indicator light is red.
6. Waiting for confirmation
7. If the target radio is active in the system , then it makes a prompt sound, screen will show that target two way radio has responded shortly.
Or if the target radio in the system is not active, then it makes a prompt sound, screen will show that target two way radio has no answer shortly.
8. Two way radio returns to user alias or ID screen. If you press [**BACK**] when waiting for confirmation, made a prompt sound, two way radio will end all retry and exit the two way radio detection mode.

Monitor

Using monitoring function to open the target two way radio's microphone (only the user alias or ID). You can use the function to monitor any sound around target two way radio. You must allow your two way radio to use this function by programming it.

Start Monitor

Using the Menu:

1. Press [**MENU**] to enter the Menu
2. Move [**↶** or **↷**] to Contacts,then press [**MENU**] to select
3. Move [**↶** or **↷**] to The required user alias or ID, then press [**MENU**] to select

Or move [▲ or ▼] key to manual dialing, and then press [MENU] key to select

If there are any calling ID remains before, radio shows the ID and along with the flashing cursor, using the keyboard to edit the ID, press [MENU] key to choose.

Or move [▲ or ▼] key to manual dialing, and then press [MENU] key to select. Inputting the user alias or ID, and then press [OK] key to select.

4. Move [▲ or ▼] to select Remote Monitor then press [MENU] to select

5. When two way radio makes a prompt sound, LED light turns green.

6. Waiting for confirmation.

7. Screen displays Monitor succeeded,

Or screen displays Monitor failed

If success: two way radio began to receive voice signals from the radios which are being monitored voice and screen displays two way radio are monitoring, until the end of the duration of the preprogrammed, two way radio made a prompt sound, and the LED light puts out, screen display that monitoring ends.

If failed: two way radio Repeats until reach the preprogrammed attempts.

Contacts setting

Contacts is "address book" for handheld two way radio. Each entry corresponds to an alias or ID used to start the call. In addition, each item, according to the different content setting, relate to three types of call: group calling, single call, all call. Your radio support digital address book. The Contacts' entries display in the following information

- Contacts
- New Contact
- Manual Dial

Note: you can add, delete, edit Contacts person in the digital address book(contacts)

Group Call With Contacts

1. Press [MENU] to enter Menu

2. Move [▲ or ▼] to contacts, then press [MENU] to choose, entries arrange in alphabetical order.

3. Move [▲ or ▼] to required calling group's alias or ID.













4. Holding the radio and let it in a vertical position and keep mouth 1 to 2 inches (2.5 to 5.0 cm) with radio.

5. Press [PTT] to start calling, the LED turns red. The screen displays the calling group's alias or ID, as well as icon of group call.

6. Releasing (PTT) button to receive, when any user response within the group, the LED light turns green. You will see on the screen group call icon of user's ID

7. if you enable the "channel Free prompt" function: when the target radio release the (PTT) button, you will hear a short beep, said this channel is idle, waiting for your answer. Press the call key (PTT) to answer. If in a preprogrammed group called hang time without voice activity, the call is ended.

Single Call With Contacts

1. Press [] to enter Menu
2. Move [ or ] to Contact, then press [] to choose, entries arrange in alphabetical order.
3. Move [ or ] to required calling group's alias or ID.
Or move [ or ] key to manual dialing, and then press [] key to choose. If there is a user alias or ID called before, radio shows ID and along with the flashing cursor, using the keyboard editing this ID.
Or move [ or ] key to manual dialing, and then press [] key to choose, using the keyboard to enter a new ID
4. Holding the radio and let it in a vertical position and keep mouth 1 to 2 inches (2.5 to 5.0 cm) with radio.
5. Press [PTT] to start calling, the LED turns red. The screen displays the calling group's alias or ID, as well as icon of group call.
6. Releasing (PTT) button to receive, when any user response within the group, the LED light turns green. You will see on the screen group call icon of user's ID
7. If you enable the "channel Free prompt" function: when the target radio releases the (PTT) button, you will hear a short beep, said this channel is idle, waiting for your answer. Press the call key (PTT) to answer. If in a preprogrammed group called hang time without voice activity, the call is ended.
8. You will hear a sound short, screen shows the call ended

Note:








If you release (PTT) button when you are setting up the call, and when it will exit and return to the previous screen without any remind. Radio can be preprogrammed executive two way radio are testing before establishing single call. If the target radio did not reply, you will hear a short beep, and screen shows the other radios did not reply. Two way radio return to menu before starting the radios around test.

Call Log

Your radio can record all the recent dialed, received, and not answered call. Use the calling record function view and manage the recent calls.

Checking New Call's Number

Menu items can show the not answer call, received calls and dialed call.

1. Press [] key to enter the menu mode.
2. Move the [ or ] key to the Call Log, and then press [] key to choose.
3. Move [ or ] to the required list, and then press [] key too choose.
4. The screen on the top of the list shows the recent entries.
5. Press [or] check list, press (PTT) at the current selected aliases or ID to start a call.

Missed Call

Whenever you miss call, two way radio will display a not answered call, select view or view later.

Note:

If you press (PTT),when you're viewing missing call number, radios will exit the missing call screen and establishing a single call again.

1. The screen shows the missing call, and the missing call's number and view.
2. Press [MENU] view missing call's ID, missing call's record list displayed on the screen.
Press [MENU] to store or delete this entry; Or move [▲ or ▼] key to view later, and then press [MENU] key choice, return to the main screen.

Storing Missed call's Alias Or ID

1. Press [MENU] key to enter Menu.
2. Move the [▲ or ▼] key to Call Log, and then press [MENU] key to choose.
3. Move the [▲ or ▼] key to missed call, and then press [MENU] key to choose.
4. Move [▲ or ▼] key to missed call's alias or ID, and then press [MENU] key to choose
5. Move the [▲ or ▼] key to store, and then press [MENU] key to choose
6. Radio Shows flashing cursor, if needed, enter the ID alias, and then press [MENU] ey.
7. The screen contacts have been saved.
You can also enter ID without alias.

Deleting Calling Log's Record

1. Press [MENU] key to enter the Menu.
2. Move the [▲ or ▼] key to Call Log and then press [MENU] key to choose.
3. Move the [▲ or ▼] key to missed call, and then press [MENU] key to choose.

4. Move [▲ or ▼] key to missed call's alias or ID, and then press [MENU] key to choose
5. Move [▲ or ▼] key to delete the entries,then press [MENU] key to select if you need to delete this entry.
6. Select "yes" ,then press [MENU] key to delete the entries, screen appears entry deleted;
Or select "no" ,press [MENU] key to return to previous screen.

When you select a call list but there is no entry in, the screen will display the list is empty, if the keyboard is open at this time, will be a low tone hint sound.

Call Alert Operation

Call alert makes you can suggest a specific radio users in the possible time to call you back.















This feature applies only to the user alias or ID, and can be used through the menu by address book or manual dialing.

Receiving And Checking Call Alert

When you receive a call alert, screen shows call prompt, alternating transmit radio's alias or ID

1. YOU will hear sound of repeat, LED light turn and shine red.
2. Then press and release [PTT] to confirm the prompt, or press [MENU] to select "neglect" to exit the call reminder.

Starting Call Alert From Contact List

1. Press [] key to enter the Menu.
2. Move the [ or ] key to Contacts, and then press [] key to choose.
3. Move [ or ] key to missed call's alias or ID, and then press [] key to choose
Or move [ or ] key to manual dialing, and then press [] key to choose, a flashing cursor appears, then enter the user ID you want to call, and then press [] key.
4. Move [ or ] key to Call Alert, the screen display Call Alert: < user's alias or ID >, and then press [] key and instructions have been sent Call Alert.
5. When the radio send call alert, the LED indicator for the red light.
6. If you receive calls prompt confirmation, issued a prompt, and display the call alert success.








Or prompt confirmation if not received a call, send a hint sound, and the screen call failure.












Messages Function

Your radio can receive data, such as from another radio sent text messages, message of a maximum length of 144 characters, whole message is not longer than 50 lines.

Edit And Send SMS

Using the Menu

1. Press [] key to enter the Menu.
2. Move the [ or ] key to Messenger, and then press [] key to choose.
3. Move [ or ] key to write, and then press [] key.

4. A flashing cursor appears, using the keyboard to input messages, press [] key to move to the left one, press [] button to the right one, when editing area have content, press the [] key to delete any useless character, otherwise when editing area without content to return to the higher level menu.
5. After writing the text, press [] to choose to send or save.
6. When on the process of editing, user can choose by pressing the [] key to empty option to empty all the content of the editor, quickly return to the higher level menu.
7. Choose the [ or ] key to the alias name or ID, and then press [] key to select.
Or press [ spending] key to manual dialing, and then press [] button, enter your user ID and press [] key.
8. The screen shows message: < user/group name or ID > call, sending message are being confirmed
9. If the messages sent successfully, issued a prompt sound, and the screen displays text message has been sent.

Or if the message was not sent, issued a high tone hint sound, and screen displays text message sent failure. If message sent failure, radio will return to chance to return to the retransmission selection screen

Send Quick Text

Two way radio support maximum 50 programming of prefabricated text messages by the agent:

When a predefined text message, you can edit every message before you can send each message.

Using the Menu

1. Press [MENU] key to enter the Menu.
2. Move the [▲ or ▼] key to Messages, and then press [MENU] key to choose.
3. Move [▲ or ▼] key to Quick Text, press [MENU] key to choose
4. Move [▲ or ▼] key to the required quick text, press [MENU] key to choose
5. A flashing cursor appears, using the keyboard to input messages, press [▲] key to move to the left one, press [▼] button to the right one, when editing area have content, press the [BACK] key to delete any useless character, otherwise when editing area without content to return to the higher level menu.
6. After writing the text message, press [MENU] to choose to send or save.
7. If the messages sent successfully, issued a prompt sound, and the screen displays text message has been sent.
Or if the message was not sent, issued a high tone hint sound, and screen displays text message sent failure. If message sent failure, radio will return to chance to return to the retransmission selection screen.
8. After Choose send move [▲ or ▼] to the alias or ID, and then press [MENU] key to choose.
Or move [▲ or ▼] key to manual dialing, and then press [0 k] key choice. Enter the user alias or ID, then Press [MENU].
9. The screen shows message: < user/group name or ID > call, text messages were a being sent to confirm.
10. If the messages sent successfully, issued a prompt sound, and screen display text

message has been sent. Or if the message can't send, send out a high tone hint sound, screen display message sent failure, failure if the SMS messages, intercom chance to return to the retransmission selection screen.

Send Quick Text With A Key

1. Press Preprogrammed, single bond calls to a predefined alias or ID sends a prefabricated text messages.
2. The screen displays a text message: < user/group name or ID > call, to confirm text messages were being sent
3. If the messages sent successfully, issued a prompt sound, and the screen display text message has been sent.

Or if you cannot send text messages, screen display text message sent failure. If message sent failure, intercom chance to return to the retransmission selection screen.

Manage The Failed SMS

In retransmission selection screen, you can choose the following options:

- Resend,
- Forward,
- Edit











Resending message

1. Press [MENU] to resend same message to same user/group name or ID.
2. If the messages sent successfully, issued a prompt sound, and display messages sent or

if you cannot send text messages, screen display text message sent failure.

Forwarding message

Choose to forward message to another User/group name or ID.






1. Move the [ or ] key to forward, and then press [] key choose.
2. Move [ or ] to the alias name or ID, and then press [] key to choose.
Or move [ or ] key to manual dialing, and then press [] button to choose, enter your user ID and press [] key.
3. The screen display a text message: < user/group name or ID > call, to confirm text messages were being sent
4. If the messages sent successfully, issued a prompt sound, and the screen display text message has been sent.


Or if the message was not sent, issued a high tone hint sound, and screen displays text message sent failure.










Editing messages

Choosing edit to edit message before you edit.

Note: if you have a subject line (receive text messages from email program), you can't edit the subject line.

1. Move [ or ] key to edit, then press [] key to choose
2. A flashing cursor appears, using the keyboard to input messages, press [] key to move to the left one, press [] button to the right one, when editing area have content,


press the [] key to delete any useless character, otherwise when editing area without content to return to the higher level menu.

3. After writing the text, press [] choose to send or save
4. When in the process of editing, can choose by pressing the [] key to empty option to empty all the content of the editor, quickly return to the higher level menu
5. Choose after [ or ] button to send the required alias or ID, and then press [] key to choose
Or move [ or ] key to manual dialing, and then press [] button, enter your user ID and press [] key
6. Screen displays message: < user/group name or ID > call, to confirm text messages were being sent
7. If the messages sent successfully, issued a prompt sound, and the screen display text message has been sent.

Or if the message was not sent, issued a high tone hint sound, and screen displays text message sent failure.











Manage The Sent SMS

Once a message is sent to another radio, it will be saved in the "sent items". Send after sending a text message has always been to "sent items" at the top of the list. The sent items folder can store up to 50 recently send text messages. After the folder is full, the next send text messages will automatically replace the earlier messages in this folder.

Note: at any time pressing the [] key can return to the previous screen.

Check the sent messages





Using the menu function:


1. Press [] button to enter the Menu.
2. Move the [ or ] key to Messages , and then press [] key to choose
3. Move [ or ] to sent items, and then press [] key to choose
4. Move the [ or ] key to the SMS, and then press [] key choose. If the message from the email program, a subject lines, will appear in the top right corner of the screen icon indicates state of SMS.




Sending the sent messages


When the view sent messages, you can choose the following options:

- Resend
- Forward,
- Edit
- Delete

1. Check the message, press [] key again
2. Move the [ or ] key to resend, then press [] key to choose.
3. The screen displays: < user/group name or ID > call, confirm that it is preparing to send the same message to the same target radio
4. If the messages sent successfully, issued a prompt sound, and the screen display text message has been sent.

Or if the message was not sent, issued a high tone hint sound, and screen displays text message sent failure. If message sent failure, intercom chance to return to the retransmission options screen. Press the [] key to send SMS weight to the same user/group name or ID.

Note: Except for Pressing the [] , [ or ] key, if you change the volume and the press any other key, will return to this message. When you press [PTT] for a single call or group call, or as a response to the group calling,radio will exit the retransmission selection screen. If received text messages or remote sensing information, emergency call, or call the police, or call reminder, radio will exit the retransmission selection screen.












If you press [PTT]in response to a single call (in addition to the radio in the show did not answer the call screen), or at the end of all call, the screen will return to resend selection screen. Press [] key, enter the forwarding, edit, or delete selection screen.




- choose forward, will choose the SMS sent to speak to other groups/user alias or ID.
- choose to edit, to edit the selected text messages before sending
- choose delete, delete the selected text.

Note: if you screen out SMS messages when send text messages, so radios will be in the "sent items" folder for SMS status updates, not the tip or by voice prompt. If the messages in the sent items folder state before update, walkie-talkie pattern changed or blackout, walkie-talkie will not be able to complete the ongoing message processing, and automatically start tag to the icon of failure. This radio can handle 5 text messages at the same time. At this stage, the radio can't send a new message, and automatically start tag icon to send failure.

Deleting all Sent Messages In the "sent items"

Using the Menu Function

1. Press the [] button to enter the Menu.
2. Move the [ or ] key to Messages, and then press [] key choice.
3. Move [ or ] to Sent Items, and then press [] key choice.
4. Move the [ or ] key to delete all, and then press [] key choice.
5. When it appears to delete messages, press [] button, select "yes" project has clear screen display has been sent.

Or delete the text, move [ or ] to no, and click [] key to return to the previous screen. When you select the "sent items" but not one of them text messages, the screen will display the list is empty, if the keyboard is open at this time, will be a low tone hint sound.

Receive SMS





When your radio are receiving SMS, the left of the screen shows the sender alias or ID ICONS and text messages.

When receive text messages, you can choose the following options:

- reading?
- Reading Later
- delete

Note: when the radio shows tip on the screen, please press (PTT), two way will exit and to establish a single call or text message screen group call.

Check the SMS

1. Move the [ or ] key to Read, And then press [] key to choose
2. the selected text messages on the inbox opened, if the message is from the email program, it will appear a subject line.
3. Click [] key to return to your inbox.

Or press [] to reply,forward or delete messages.

Move [ or ] key to enter later view or delete selection screen:

Later, select view screen before returning to receive messages.

Choose delete, delete receive text messages.

Manage Received SMS

Use your inbox to manage messages. inbox can store up to 50 text messages at Most.












Two way radio supports the following text options:



- Reply
- Forward
- delete
- Delete all

store the message in the inbox in the order of received time .

Note: at any time according to the [] key can return to the previous screen.























Check The Inbox SMS

1. Press the [] button to enter the Menu.
2. Move the [ or ] key to Messages, and then press [] key to choose
3. Move [ or ] to the inbox, and then press [] key to choose.
4. Move the [ or ] key to check the message. If the messages are from the email program, it will appear a subject line.
5. Press the [] key to choose the current text, then press [] key again to reply, delete, or forward this message.

Unread messages:  , Already read message: 


















Reply The Inbox SMS

Use the menu function:

1. Press [] button to enter the Menu.
 2. Move the [ or ] key to message, and then press [] key to choose
 3. Move [ or ] to the inbox, and then press [] key to choose
 4. Move the [ or ] key to the SMS, and then press [] key to choose. If the messages are from the email program, it will appear a subject line.
 5. Press again [] button to enter submenu.
 6. Move [ or ] to reply, and then press [] key to choose.
 7. Move [ or ] to write messages, and then press [] key choice, a flashing cursor, using a keyboard editing text messages.
- Or move [ or ] key to prefabricated text messages, and then press [] key to choose. Choose the required message after press [] a flashing cursor, if needed, with the keyboard editing your message.
- 8 After Writing the text, press [] .
 9. The screen displays message : < user/ call group name or ID >, to confirm. text messages were being sent
 10. If the messages sent successfully, issued a prompt sound, and screen display text message has been sent.
- Or if you cannot send text messages, screen display text message sent failure. If message sent failure, radio return to the retransmission selection screen.














Deleting the inbox messages

Use the menu function:

1. Press the [] button to enter the Menu.
2. Move the [ or ] key to message, and then press [] key to choose
3. Move [ or ] to the inbox, and then press [] key to choose
4. Move the [ or ] key to the SMS, and then press [] key choice. If the messages are from the email program, it will appear a subject line.
5. Press again [] button to enter submenu.
6. Move the [ or ] key to delete, and then press [] key to choose.
7. Delete messages, move [ or ] key to "yes", then press [] key to choose.
8. Screen appears short message has been deleted.
9. The screen back to inbox.

Deleting all messages in the inbox

Use the menu function:

1. Press the [] button to enter the Menu.
2. Move the [ or ] to the Message, and then press [] key to choose.
3. Move [ or ] to the inbox, and then press [] key to choose.
4. Move the [ or ] key to delete all, and then press [] key to choose.
5. When it appears Deleting the messages, move [ or ] select yes, and then press [] key to choose
6. Then The screen inbox was empty already.

When you select the "inbox" but not one of them text messages, the screen will display the list is empty, if the keyboard is open at this time, will be a low tone hint sound.

Encryption

If you enable this feature, which is beneficial to prevent other users on the channel by using the method of software encryption for unauthorized eavesdropping. The launch of signaling and user identification part unencrypted. Your radio must be enabled on the channel encryption function, can send encrypted, even if the receiving transmission is not must request to do so.

Basic encryption

Two way radio can only be assigned more than one type of encryption. If users Call for encryption or decryption of data transmission, must make to be preprogrammed walkie-talkies and launch radio has the same "encryption keys" (suitable for basic encryption).

If your radio to receive different encryption keys or key values and key encryption call ID, you will hear the sound of the transport chaos encryption (basic).

Press the preliminary programming encryption keys on or off.

DTMF

Dual Tone Multi-Frequency (DTMF) function allows to operate radio when there is interference in the radio system.

To initiate a DTMF call

1. Press and hold [PTT] key.