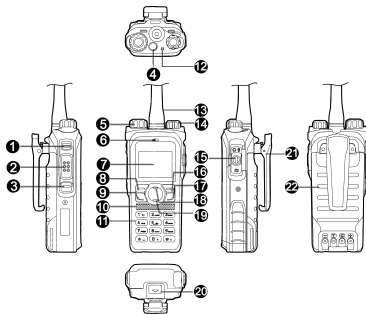


Contents

Product Overview	2
Product Controls	2
LCD Icon	2
LED Indicator	3
Basic Operations	4
Turning On/Off the Radio	4
Adjusting the Volume	4
Selecting a Zone	4
Selecting a Channel	4
Inputting via Keypad	4
Locking or Unlocking Keys and Knobs	4
Creating a Private Contact	5
Call Services	5
Private Call	5
Group Call	5
Call on Analog Channel without Signaling	6
Emergency Call	6
Message Services	6
Sending a Text Message	6
Sending a Quick Text Message	6
Viewing a Received Message	6

Product Overview

Product Controls



No.	Part Name	No.	Part Name
1	Side Key 1 (SK1)	12	LED Indicator
2	Push-to-Talk (PTT) Key	13	Antenna
3	Side Key 2 (SK2)	14	On-Off/Volume Control Knob
4	Top Key (TK)	15	Accessory Connector












No.	Part Name	No.	Part Name
5	Channel Selector Knob	16	Back Key
6	Microphone	17	P2 Key
7	LCD Display	18	Up Key
8	OK/Menu Key	19	Down Key
9	P1 Key	20	Battery Latch
10	Speaker	21	Belt Clip
11	Numeric Keypad	22	Battery













Note

You can adapt your radio to use the **TK**, **SK1**, **SK2**, **P1**, and **P2** as shortcuts to various radio features by requesting your dealer to program the keys. For the detailed introduction, refer to the corresponding Feature Book included with the product.

LCD Icon

Icon	Radio Status
	The dual-tone multi-frequency signaling (DTMF) keypad is enabled.
	The GPS feature is enabled, and the radio receives GPS data.
	The GPS feature is enabled, but the radio receives no GPS data.
	The number of bars (0–3) indicates the charge remaining in the battery.
	The radio is set at Low power.
	The radio is set at High power.
	An accessory is connected.
	One or more new work orders are received.
	The maximum number of saved work orders is reached.
DM	Direct Mode: In this mode, radios communicate with each other directly.
RM	Repeater Mode: In this mode, radios communicate with each other via a repeater.

Icon	Radio Status
	The Monitor feature is enabled.
	The radio is in emergency mode (excluding silent emergency mode) or an emergency call is received.
	The radio is roaming.
	The Scrambler or Encrypt feature is enabled.
	The radio is scanning.
	The radio stays on a non-priority channel.
	The radio stays on priority channel 1.
	The radio stays on priority channel 2.
	The Voice Operated Transmit (VOX) feature is enabled.
	There is/are missed call(s).
	There is/are unread message(s).

Icon	Radio Status
	The Inbox is full.
	The BT feature is enabled.
	The wireless device is connected.
	There is no signal.
	The number of bars (1–4) indicates the radio signal strength.
	The speaker is unmuted.
	The radio operates in silent mode.
	The Loudness and Quality Optimizer (LQO) feature is enabled.
	No Micro SD card is detected.
	A private call is in progress or a private contact is in the contact list.
	A group call is in progress or a group contact is in the contact list.
	An all call is in progress or an all call contact is in the contact list.

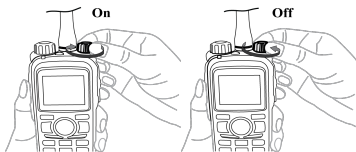
LED Indicator

LED Indication	Radio Status
Flashes green	Being turned on.
Glows green	Receiving.
Glows red	Transmitting.
Flashes orange slowly	Scanning or roaming.
Flashes orange rapidly	Working in emergency mode.
Glows orange	Call hang time: No voice is being transmitted or received on the channel during a call. Within such a period, you can press and hold the PTT key to speak.
Glows blue	The BT feature is being enabled.
Flashes blue every 3s	The BT feature is enabled, but no wireless device is connected.
Flashes blue every 1.5s	The wireless device is connected.

LED Indication	Radio Status
Flashes blue every 0.1s	The BT feature is being disabled.

Basic Operations

Turning On/Off the Radio



Adjusting the Volume



Selecting a Zone

A zone is a group of channels within the same operational area. The radio supports up to 64 zones, with a maximum of 128 channels per zone.

To select a zone, do one of the following:

- **Menu:** Go to "Menu > Zone", press the **Up** or **Down** key to select an appropriate zone, and then press the **OK/Menu** key to switch to the selected zone.
- **Shortcut key:** Switch to an appropriate zone by pressing the **Zone Up** or **Zone Down** key programmed by your dealer.

Selecting a Channel

Data and voice are transmitted and received on the selected channel. To select a channel, rotate the **Channel Selector** knob to the desired channel.



Inputting via Keypad

You can use the keypad to enter user aliases or IDs and text messages. Here are some useful tips:

- To switch the input method between alphabetic mode and numeric mode, press **[ABC]**.
- To enter special characters, press **[*]** in the alphabetic mode or **[#]** in the numeric mode.
- To enter a space, press **[Space]** in the alphabetic mode.

Locking or Unlocking Keys and Knobs

When the keypad is not in use, it is recommended that you lock it to avoid accidental key presses. To lock or unlock the keypad, do one of the following:

- **Automatically** lock or unlock the keypad

The Keypad Lock feature allows the keypad to be locked automatically if no operation is being performed within a preset time period.


To enable this feature, go to "Menu > Settings > Radio Set > Keypad Lock", select "Enable", and

set "**Delay Time(s)**" by pressing the **Up** or **Down** key.

To disable this feature, select "**Disable**" under the "**Keypad Lock**" menu.

- **Manually** lock or unlock the keypad

To manually lock or unlock the keypad, do one of the following on the home screen:

- ▶ Press the **Keypad Lock** key programmed by your dealer.
- ▶ Press the **OK/Menu** key and then press .

 **Note**

You can go to "**Menu > Settings > Radio Set > Optional Key**" to set whether the keys and knobs still function when the keypad is locked.

Creating a Private Contact

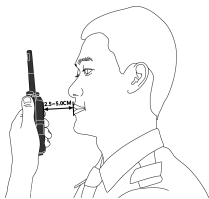
To add a new contact to the private contact list, go to "**Menu > Contact > New Contact**", enter the ID and alias of the new contact, and save it.

 **Note**

The ID and alias of a new contact must be unique.

Call Services


Once you have selected the required channel, you can make or receive calls on that channel. To ensure optimal voice quality on the receiving radio, keep the microphone about 2.5 to 5 centimeters away from your mouth when the radio is transmitting.



Private Call


A private call is a call from an individual user to another individual user.

Initiating a Private Call

On the home screen, press and hold the **PTT** key to initiate a call to the private contact preset for the current channel. In this case, the radio displays  on the screen.

For other ways to initiate a private call, refer to the corresponding Feature Book included with the product.

Receiving and Responding to a Private Call


When you receive a private call, the radio emits a tone and displays  on the screen. You then can listen to it without any operation.

You can press and hold the **PTT** key to speak within the preset time period. Otherwise, the call ends and the radio displays missed call indications.

Group Call


A group call is a call from an individual user to a group of users.

Initiating a Group Call

On the home screen, press and hold the **PTT** key to initiate a group call to the group contact preset for the current channel. In this case, the radio displays  on the screen.

For other ways to initiate a group call, refer to the corresponding Feature Book included with the product.

Receiving and Responding to a Group Call

When you receive a group call, the radio emits a tone and displays  on the screen. You then can listen to it without any operation.

You can press and hold the **PTT** key to speak within the preset time period. If there is no voice activity within the preset time period, the call ends.

Call on Analog Channel without Signaling

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

For descriptions and operations of calls on the analog channel with signaling, refer to the corresponding Feature Book included with the product.

Emergency Call

In case of emergency, you can use the Emergency Call feature to ask for help from other personnel or the control center.

This feature needs to be configured and enabled by your dealer. For details, refer to the corresponding Feature Book included with the product.

Message Services

Message services allow you to send and receive text and quick text messages.

Sending a Text Message

To edit and then send a text message, do as follows:

1. Go to "**Menu > Message > New Msg**", and then edit the text.
2. Press the **OK/Menu** key, and then select "**Send**".
3. Select "**Contact List**" or "**Manual Dial**".
4. Select the required contact or enter the contact number.

5. Press the **OK/Menu** key to send the text message.

Sending a Quick Text Message

Quick text messages are preprogrammed by your dealer, and you can edit each message before sending it. To send a quick text message, do as follows:

1. Go to "**Menu > Message > Quick Text**", and then select the required quick text.
2. (Optional) Edit the quick text.
3. Press the **OK/Menu** key, and then select "**Send**".
4. Select "**Contact List**" or "**Manual Dial**".
5. Select the required contact or enter the contact number.
6. Press the **OK/Menu** key to send the text message.

Viewing a Received Message

To view a received message, do as follows:

1. Go to "**Menu > Message > Inbox > Inbox List**", and then select the message to be viewed.
2. Press the **OK/Menu** key to view the details.