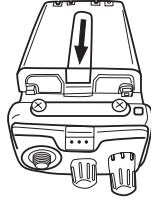


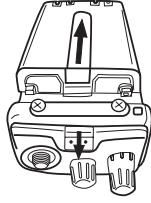
### INSTALLING/REMOVING THE BATTERY PACK

The battery pack is not charged at the factory; charge it before use.

1. Match the two bulges of the battery pack with the corresponding guides on the back of the transceiver, then press the battery pack and transceiver firmly together until the release latch on the base of the transceiver locks.

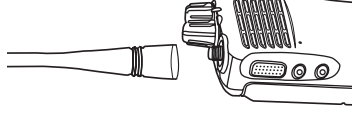


2. While pressing the release latch, pull the battery pack away from the transceiver.



### INSTALLING THE ANTENNA

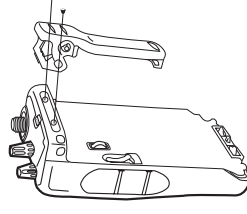
Screw the antenna into the connector on the top of the transceiver by holding the antenna at its base and turning it clockwise until secure.



**Note:** The antenna is neither a handle, a key ring retainer, nor a speaker/microphone attachment point. Using the antenna in these ways may damage the antenna and degrade your transceiver's performance.

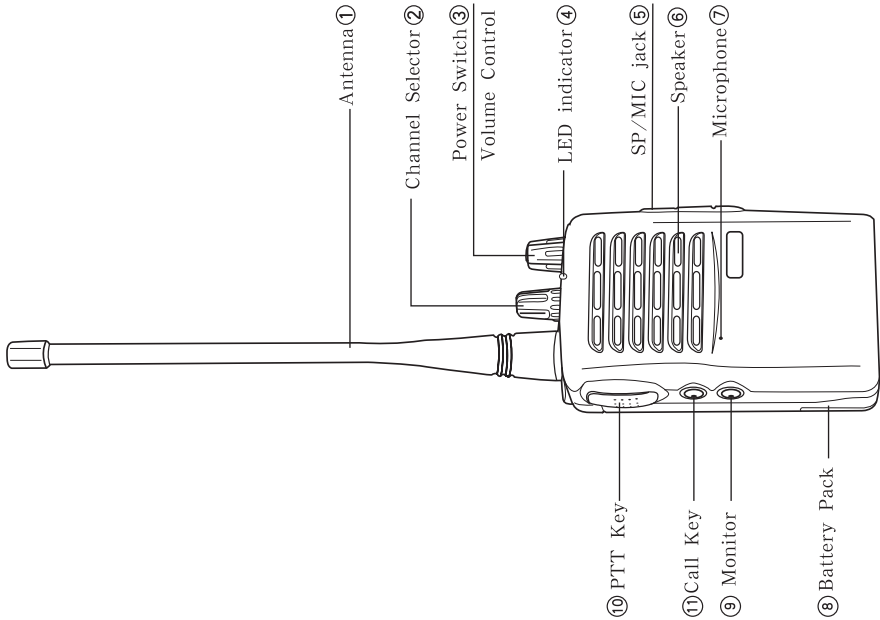
### INSTALLING THE BELT CLIP

If necessary, attach the belt clip using the two supplied screws.



#### Caution:

Do not use glue which is designed to prevent screw loosening when installing the belt clip, as it may cause damage to the transceiver. Acrylic ester, which is contained in these glues, may crack the transceiver back panel.



1. **Antenna**
2. **Channel selector**  
Rotate to select channels 1–16
3. **Power switch/Volume control**  
Turn clockwise to switch ON the transceiver. To switch OFF the transceiver, turn counterclockwise until a click sounds. Rotate to adjust the volume level.
4. **LED indicator**  
Lights red while transmitting. Lights green while receiving a signal. Flashes red when the battery voltage is low while transmitting.
5. **SP/MIC jack**
6. **Speaker**
7. **Microphone**
8. **Battery pack**
9. **Monitor**
10. **PTT(Push-To-Talk) switch**  
Press and then speak into the microphone to call a station, Release to receive.
11. **Call key**

1. Turn the Power switch/Volume control clockwise to switch the transceiver power ON.

- A beep sounds if enabled by your dealer.

2. Press the key programmed with the Monitor or Squelch Off function to hear background noise, then rotate the Power switch/Volume control to adjust the volume.

3. Rotate the Channel selector to select your desired channel.

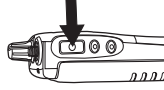
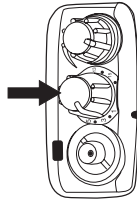
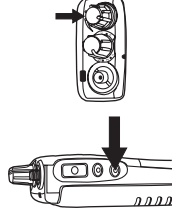
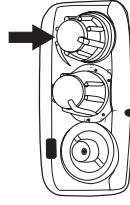
- When you receive an appropriate signal, you will hear audio from the speaker.

4. To make a call, press and hold the **【PTT】** switch, then speak into the microphone using your normal speaking voice.

- Hold the microphone approximately 1.5 inches (3 to 4 cm) from your lips.

5. Release the **【PTT】** switch to receive.

**Note:** When the battery strength becomes too low, transmission will stop and an alarm tone will sound. See “Low Battery Warning” introduce.



### MONITOR/SQUELCH OFF

You can use the Monitor key to listen to weak signals that you cannot hear during normal operation, to deactivate channel signaling, and to adjust the volume when no signals are present on your selected channel.

- Squelch Off Momentary: Press and hold to hear background noise.
- Release the key to return to normal operation.
- Monitor Momentary: Press and hold to deactivate QT or DQT signalling. Release the key to return to normal operation.

### CALL TONE

Calling tones are used to identify yourself to your party, you can set up a calling tone to one of 16, perform the following steps.

1. Turn OFF power
  2. Press and hold **【CALL】** key, turn ON power
- A calling tone sounds.
  - Adjust channel selector to select desired call tone, select each calling tone, the new tone sounds.
  - Press **【PTT】** key to store new setting and a beep sounds to confirm.
  - Currently channel number appears, please turn the channel selector to adjust appropriate channel number.

### SELECTIVE CALL

1. Press and hold **[MON]** key to make sure the channel is not in use.
  2. Press and then release **[CALL]** key to alarm other parties that you are making a call.
    - A configured calling tone sounds and the LED lights red. Your party members receive call alarm signal, the speaker sound same call alarm tone and the LED light green.
- Stop to transmit while call alarm tone OFF, wait for your party member response.

VOX operation allows you to transmit hands-free, and can only be used if you are using a supported headset.

When operating VOX, or you must set a VOX Gain level. This setting allows the transceiver to recognize sound levels. If the microphone is too sensitive, it will begin transmitting when there is noise in the background. If it is not sensitive enough, it will not pick up your voice when you begin speaking. Be sure to adjust the VOX Gain level to an appropriate sensitivity to allow smooth transmission.

To activate VOX and set the VOX Gain level, perform the following steps:

1. Turn OFF power

2. Press and hold **[CALL, PTT]** keys and then turn ON power.
  - a double beep sounds.
  - Adjust channel selector to set desired VOX gain level, a beep sounds while adjust each level.
  - Press **[PTT]** switch to store new setting and activate VOX transmission ON.
  - Currently channel number sounds, turning channel selector to select desired channel number.
  - Press **[PTT]** switch to cancel VOX transmission.

### VOX GAIN LEVEL INSTRUCTION

Adjust desired VOX sensitivity by turning channel selector, and the number is higher, the sensitivity is higher; Vice versa.

#### Channel Number:

- 1 — Least sensitive
- 8 — Mid sensitive
- 16 — Highest sensitive

**Note:** If the VOX Gain level is configured to a higher, louder received signal may cause the transceiver to start transmission.

### ACTIVATE VOX TRANSMISSION OPERATION

If you configured to a appropriate VOX gain level, and activate VOX transmission, perform the following steps.

1. Turn OFF power

2. Press and hold **[PTT]** switch and then turn ON power.
3. A double-beep sound, and then release the **[PTT]** switch, the transceiver appear currently channel number.
4. Press **[PTT]** switch to cancel VOX transmission; press **[PTT]** switch to transmit.

#### CHANNEL SCAN

You can scan all the channels what you stored the desired frequencies.

1. put the channel selector into last channel.
2. turn OFF the power.
3. press and hold **[MON]** key and then turn ON the power.
- Transceiver is in automatically scanning.
- Press **[MON]** key to pause scanning, release **[MON]** key to resume scanning.
4. press **[PTT]** switch to transmit or turn OFF the power to cancel scanning function.

**Note:** Stop 3 seconds when the transceiver receives the signal and without any operation, It will continues to scan.

#### PRIORITY SCANNING

Sometimes you need to check activities of some priority frequency while monitoring other frequencies. In this case, you can use the Priority Scan function. Priority Scan checks the activities of the Priority Channel every 3 seconds. If the transceiver detects the signal on the Priority Channel, and it will stop 3 seconds. If you do not operate any control or key for 3 seconds, the transceiver returns to the original frequency and continues Priority Scan.

#### USE PRIORITY SCANNING

1. Put the channel selector into the 16th channel.
2. Turn OFF the power.
3. Press and hold **[CALL]** key and turn ON the power.
- Transceiver is in the priority scanning.
4. Cancel priority scanning functions, first you should turn OFF the power and then turn ON the power again.

**Note:** if you don't select a channel as of priority scanning channel while you program the radio by PC, you cannot activity this function.

#### NARROW/WIDE FM OPERATION (Optional)

In the default, radio usually works under FM ( $\pm 5\text{KHz}$ ) mode, it also can works under narrow band FM ( $\pm 2.5\text{KHz}$ ).

User and dealer can set up narrow or wide band in each channel by PC.