

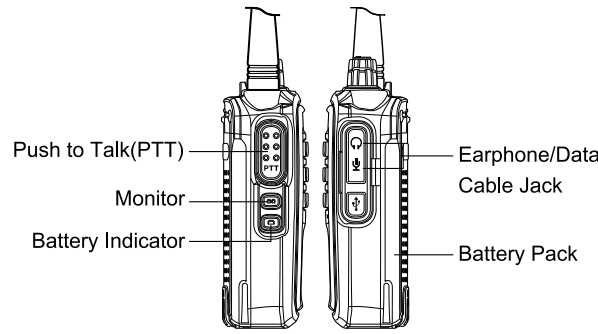
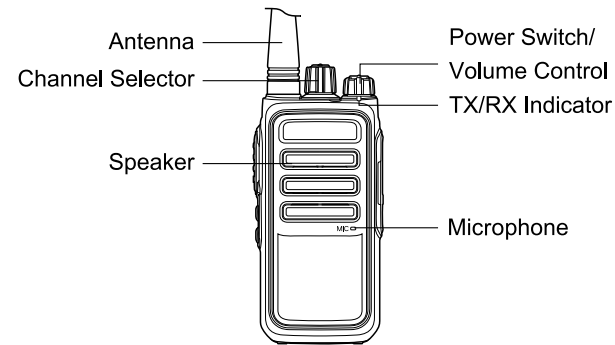
## **THANK YOU!**

We are grateful that you chose our radio for your land mobile radio applications. We believe this easy-to-use transceiver will provide dependable and reliable communication to personal operating at peak efficiency.

The transceivers incorporate the latest in advanced technology. As a result, we feel strongly that you will be pleased with the quality and features of this product!

GETTING ACQUAINTED	01
UNPACKING AND CHECKING EQUIPMENT	02
Packing List	02
PREPARATION	03
Li-ion Battery Pack Precautions	03
Charging the Battery Pack	04
BASIC OPERATION	05
Switch Power On/Off	05
Adjusting the Volume	05
Selecting a Channel	05
Transmitting & Receiving	06
ADVANCED OPERATIONS	07
Wide/Narrow Bandwidth Selection	07
Time-Out Timer (TOT)	07
Battery Save	07
Channel Number Annunciation	08
Low Battery Alert	08
Compandor	08
Scrambler	08
CTCSS/DCS	09
CARE AND CLEARING	10
TROUBLESHOOTING GUIDE	12

## GETTING ACQUAINTED



Carefully unpack the transceiver. We recommend that you identify the items listed in the following table before discarding the packing material. If any items are missing or have been damaged during shipment, file a claim with the carrier immediately.

### Packing List

ITEM	QUANTITY
Unit Transceiver	1
Battery Pack	1
Desktop Charger	1
Antenna	1
Belt Clip	1
User Manual	1
Hand Strap	1

### Li-ion Battery Pack Precautions

- Do not short the battery terminals or dispose of the battery by fire. Never attempt to remove the casing from the battery pack.
- Keep the charging temperature always between 5°C and 40°C.
- Do not use the transceiver while charging the battery pack. We recommend you switch the transceiver power OFF while charging is taking place.
- Do not recharge the battery pack if it is already fully charged. Doing so may cause the life of the battery pack to shorten or the battery pack may be damaged.
- Use the battery pack only for its intended purpose. Never use any charger or battery pack that is damaged.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive(+) and negative(-) terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery pack in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

## **Charging the Battery Pack**

The battery pack is not charged at the factory, please charge it before use. Initially charging the battery pack after purchase or extended storage (greater than 2 months) will not bring the battery pack to its normal operating capacity. After repeating the charge/discharge cycle two or three times, the operating capacity will increase to normal.

*Please charge the battery pack as follows:*

1. Make sure the battery pack contact are in contact with the charging terminals.
2. Slide the battery pack or transceiver with a battery pack into the desktop charger.
3. The charging LED lights red and charging begins.
4. After charging about 4 hours, when the light turns to green, it means the battery pack is fully charged.
5. Then you can take off the battery pack or transceiver with the battery pack and use it.

## **Switch Power On/Off**

1. Turn On: turn the [Power] switch clockwise to switch the transceiver ON, an alert tone will be heard.
2. Turn Off: turn the [Power] switch counter clockwise to switch the transceiver OFF.

## **Adjusting the Volume**

Rotate the [Volume] control to adjust the volume. Clockwise increases the volume and counter clockwise decreases it.

## **Selecting a Channel**

Rotate the [Channel Selector] to choose your desired channel. Clockwise increases the number and counter clockwise decreases it. If the channel number annunciation is activated, the radio will announce the current corresponding channel number. If none channel has been programmed, it cannot be used. When a non-programmed channel is selected, the LED indicator lights orange and an alert tone sounds.

### **Transmitting & Receiving**

1. Press the [PTT] switch and speak into the microphone in your normal speaking voice, for best sound quality at the receiving station, hold the microphone approximately 1~2 inches (2.5~5 cm) from your mouth.
2. Release the [PTT] switch to receive.

### **Wide/Narrow Bandwidth Selection**

You can select Wide/Narrow bandwidth via programming software, the default setting is Wide.

### **Time-Out Timer (TOT)**

The Time-Out Timer is used to prevent any caller from using a channel for an extended period of time (OFF, 15~600 seconds). If you continuously transmit for a period of time that exceeds the programmed time, the transceiver will stop transmitting and an alert tone will sound. To stop the tone, release the PTT switch.

### **Battery Save**

The battery save function decreases the amount of power used when signal is not being received and no operations are being performed (no keys are being pressed and no switches are being turned ) for 5 seconds, the battery save function activates.

When a Signal is received or an operation is performed, battery save is disabled. The default setting is ON.

### **Channel Number Annunciation**

Your dealer may have programmed channel number annunciation on your transceiver. There are 3 kinds of the channel number annunciation: "Chinese Male Voice, English Male Voice (Default setting), None". When you turn the [Channel Selector], the transceiver sounds the current corresponding channel number.

### **Low Battery Alert**

For extra convenience, if the battery level runs low, the transceiver will sound "do do do" at every 5 seconds, to alert the user to recharge the battery. Please change new battery pack or charge this battery pack.

### **Compandor**

Activate this function for more clear audio output.

The default setting is OFF.

### **Scrambler**

There are 8 groups of scramblers to select, when activated, any other party listening on your channel is prevented from eavesdropping your conversation. The default setting is OFF.

There are 50 CTCSS 105 DCS for selection, you can also define your own CTCSS/DCS, or activate the DCS hopping feature, the CTCSS/DCS is a sub-audible tone/code which allows you to ignore (not hear) calls from other parties who are using the same channel, when a channel is set up with a CTCSS/DCS, squelch will only open when a call containing a matching tone or code is received. Meanwhile, signals that you transmit will only be heard by parties whose CTCSS/DCS signaling matches your transceiver.

To guarantee optimal performance as well as a long service life of your radio, please follow the tips below.

- Keep your radio dry. Rain, moisture and liquid or water may contain mineral substance that can corrode the electronic circuit.
- Take out the battery when the radio is wet, install the battery pack when it is completely dry.
- Keep away the radio from hot place. High temperature may cause electrical instrument working life shorten, battery pack damaged and plastic component deformation or dissolved.
- Do not throw, knock or shock the radio. Use it rudely may damage internal circuit board and accurate structure.
- Do not use any strong chemicals, cleaner or detergent to clean the radio.
- Do not paint the radio. Painting may block the demountable component to influence normal operation.
- Do not hold the radio by its antenna or headset cable directly.

- Use supplied or approved antenna when change antenna. Unapproved antenna, modified accessories may damage the radio and violate the relevant rules.

- Attach the accessory jack cover when the radio is not in use.

- Make a back-up copy (like frequencies and channels.) before you take your radio to service center.

**Note :** Every tip above are all applicable for your radio, battery pack, desktop charger and accessories. Consult your dealer or take your radio to nearest service center if any parts cannot work normally.

Problem	Solution
No power.	<ul style="list-style-type: none"> <li>- The battery pack may be dead. Recharge or replace the battery pack.</li> <li>- The battery pack may not be installed correctly. Remove the battery pack and install it again.</li> </ul>
Battery power dies shortly after charging.	<ul style="list-style-type: none"> <li>- The battery pack life is finished. Replace the battery pack with a new one.</li> </ul>
Cannot talk to or hear other members in your group.	<ul style="list-style-type: none"> <li>- Make sure you are using the same frequency and CTCSS/DCS as the other members in your group.</li> <li>- Other group members may be too far away. Make sure you are within range of the other transceivers.</li> </ul>
Other voices (besides group members) are present on the channel.	<ul style="list-style-type: none"> <li>- Change the CTCSS/DCS setting. Be sure to change the tone on all transceiver in your group.</li> </ul>