

We are grateful you have chosen **KIRISUN** for your land mobile application. We believe this easy to use transceiver will provide dependable communication to keep personal operating at peak efficiency.

KIRISUN Transceiver incorporates the latest and advanced technology, so you will be pleased with this product quality and features .

MODELS COVERED BY THIS MANUAL

PT2208/3208

Notice: this radio is intended for use in occupational /controlled conditions , where users have full knowledge of their exposure and can exercise control over their exposure to meet FCC limits. This radio device is NOT authorized for general population , consumer , or any other use .

PRECAUTIONS

Please observe the following precautions to prevent fire, personal injury, and transceiver damage.

Do not operate your transceiver while taking on fuel, or not while parked.

Do not expose the transceiver for a long period to direct sunlight, nor places the transceiver close to heating appliances.

Do not place the transceiver in excessively dusty areas, humid areas , not on unstable surfaces.

Do not modify this transceiver for any reason.

Refer service to qualified licensed or certificated technician only.

CONTENTS

Unpacking and checking equipment..... 3
 Supplied accessories..... 3

Preparation

Charging the battery pack..... 4
 Installing /Removing the battery pack..... 5
 Installing the antenna 6
 Installing the optional Speaker/Microphone... 7
 Installing /Removing the belt clip 7

Getting Acquainted..... 8
Basic operation 9
Scan function 10
 Start scan.....10
 End scan.....10

Auxiliary Function

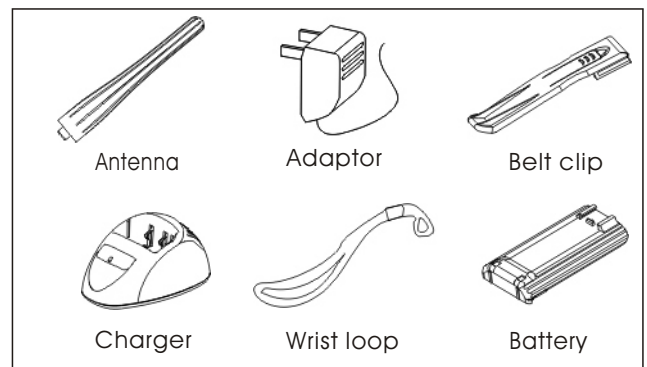
Time-out Timer..... 13
 Battery saving..... 13
 Low battery warning 13
 Monitor..... 14
 QT & DQT..... 14
 Troubleshooting guide 15
 Frequency chart..... 16

■ UNPACKING AND CHECKING EQUIPMENT

Carefully unpack the transceiver. We recommend that you identify the items listed in the following table before discarding the packing material. If any damage has occurred during shipment, file a claim with the carrier immediately .


■ SUPPLIED ACCESSORIES

ITEM NAME	QUANTITY
Antenna	1
Wrist loop	1
Belt clip	1
Battery	1
Charger	1
Adaptor	1
Manual instruction	1

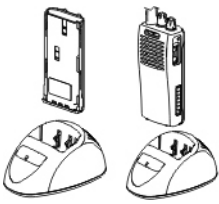


■ PREPARATION

● CHARGE THE BATTERY



Plug the AC adaptor cable into the adaptor jack located on the rear of the charger; Plug the AC adaptor into an AC outlet.

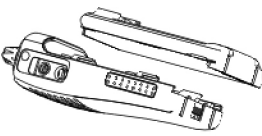


Slide the battery pack or transceiver with a battery pack into the charger. Make sure the battery pack contacts are in contact with the charging terminals . The charger LED turns red and charging begins .

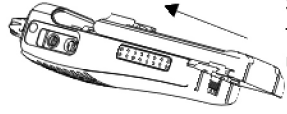
After charging the battery for 4 hours, the charger LED light turns green, disconnect it from the charger.

Disconnect the adaptor from the AC outlet

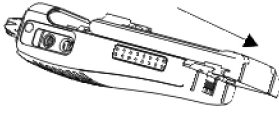
● INSTALLING /REMOVING THE



Match the four grooves of the battery pack with the corresponding guides on the back of the transceiver



Slide the battery pack along the back of the transceiver until the release latch on the base of the transceiver locks



To remove the battery pack , pull back on the release latch and slide the pack away from the transceiver

Don` t dispose exhausted batteries in the household Waste. Bring back such batteries to your dealer or bring the exhausted batteries to a special disposal Service.

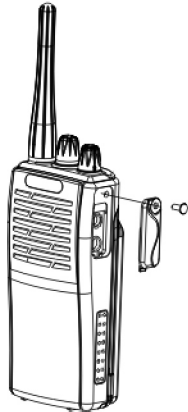
● INSTALLING ANTENNA

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.



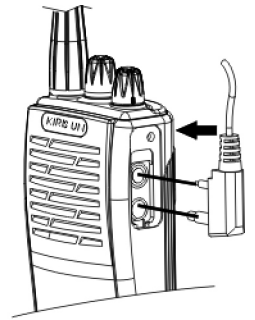
● INSTALLING THE COVER OVER THE SPEAKER /MICROPHONE JACKS

If you don't use a speaker /microphone, installing the cover over the speaker / microphone jacks with the supplied 3x6mm screw.



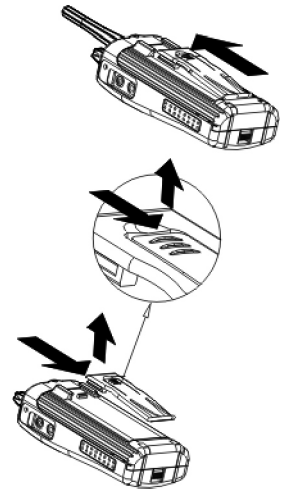
● INSTALLING THE OPTIONAL SPEAKER /MICROPHONE

Insert the speaker /microphone plugs into the Speaker /Microphone jacks. Attached the locking bracket with the supplied 3x6mm screw.



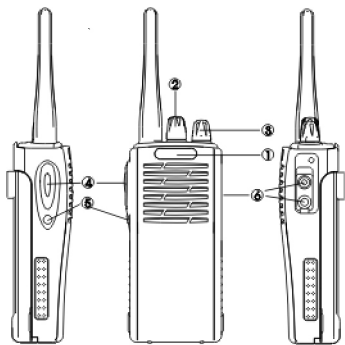
● INSTALLING /REMOVING THE BELT CLIP

If necessary, attach the belt clip with the two 3x4mm screws from the supplied screw set.



■ GETTING ACQUAINTED

- LED INDICATOR
LED Lights red while transmitting; lights green while receiving a signal; flashes red when the battery voltage is low while transmitting.



- CHANNEL SELECTOR
Rotate to select channel 1-16.

- POWER /VOLUME SWITCH
Turn clockwise to switch ON the transceiver ;
To switch OFF the transceiver, turn counterclockwise until a click sounds;
Rotate to adjust the volume level.

- PTT (push-to-talk)
To make a call, press and hold the PTT button , then speak into the microphone with normal voice.
Release the PTT to receive.

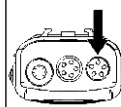
- MONITOR BUTTON

Press the button for closing the SQUELCH, and release for open.

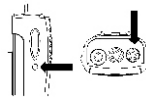
- MIC-SP JACKS

If desired, connect a speaker -microphone here.

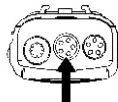
■ Basic operation



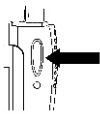
Switch on:
Switch on the transceiver by turning the Power/Volume control clockwise
Till a click is heard, then the transceiver will be in the state of stand by.



Adjusting volume:
To adjust volume, turn the POWER /VOL control, while using MONI to listen to channel background noise.



Selecting channel :
Rotate the channel selector to select channels.



Transmitting:
To make a call, press PTT, and speak in normal voice, please hold the microphone 1.5 inches away from your mouth.

Receiving :
Releasing PTT, and adjusting the volume properly, you will hear the calling from the speaker.

■ SCAN FUNCTION

(This function may be prohibited by local dealer)

● START SCAN

While switch to channel 16, the transceiver will begin to scan , and pause after receiving signals.

● END SCAN

While switch to channel 1-15, the scan will be stopped

Introduction :

1. Dealers can set the following two ways to restart the scan after its pausing :

1) Time -control :

The transceiver will restart the scan after pausing for some time while receiving signals. The pausing time can be preset from 0.5 to 5 seconds.

2) Carrier wave control :

The transceiver will pause the scan after receiving signals and will restart the scan 3 seconds later after the pause disappears.

2. The working channel of the transceiver will return to the following channels automatically by pressing PTT during the scan. The dealer can select one among the following four ways.

1) Selected channel

When pressing PTT during the scan, the transceiver will always transmit from the first channel of the scanning list.

2) Selected channel or currently working channel

If pressing PTT during scanning, the transceiver will transmit from the first channel in the scanning list. If pressing PTT during the scan pausing, the transceiver will transmit from current channel.

3) Prior channel

The transceiver will always send signals from the prior channel in the scan list when pressing PTT.

4) Prior channel + currently working channel

When the transceiver is scanning, it will send signals from the prior channel in the scanning list, by pressing PTT.

● REMARKS:

The above mentioned currently working channel means the channel in which the transceiver holds on under the following four conditions.

- 1) Before restarting the scan after receiving the signals, the transceiver still stay in current channel.
- 2) When receiving signals during scan, the transceiver will pause and stay in current channel for 3 seconds after the signals disappear.
- 3) Transceiver will stay in current channel when pressing PTT during scan.
- 4) The transmitting will end by releasing PTT, Within the transmitting pause time preset by local distributor, the transceiver will stay in current channel.

* SELECTED CHANNEL :

The first channel in the scanning list set by distributor.

* PRIOR CHANNEL:

The prior channel in the scanning list set by distributor.

■ AUXILIARY FUNCTIONS

● TIME-OUT-TIMER

The purpose of the Time-out-Timer is to prevent any single person from using a channel to transmit for an extended period of the time. If you continuously transmit for 10 minutes, the transceiver will stop transmitting and a tone will be heard. To stop the tone, release the PTT switch. You can press the PTT again to resume transmitting.

● BATTERY SAVING

The Battery-Saving function decreases the power consumption when no signal being received or no operations being performed (no keys are being pressed, and no switches are being turned.)

● LOW BATTERY WARNING

Low battery warning alerts you, when the battery needs to be recharged while transmitting. If the battery power goes below a certain value, the LED light will blink red, and the transceiver will stop transmitting.

● MONITOR

When there is no signal received, the squelch circuit on the transceiver automatically mutes the speaker, so you will not hear background noise. To manually deactivate the squelch, press the Monitor key, which is useful when you want to adjust the volume level or when you need to receive a weak signal.

● QUIET TALK (QT) & DIGITAL QUIET TALK (DQT)

1. Some channels may have pre-programmed QT/DQT tones. A QT/DQT tone is a subaudible tone which allows you to ignore(not hear)calls from other parties who are using the same channel.

2. When you receive a signal that has a tone different from the one set in your transceiver, you will not hear the signal. Likewise, signals that you transmit will only be received by parties whose QT/DQT tones as the same as yours.

Note : Though you use a QT/DQT channel which can prevent you from receiving unwanted signals, it does not mean your calls will be private.

■ TROUBLESHOOTING GUIDE

NO.	PROBLEM	SOLUTION
1	No power	1) The battery pack may be dead. Recharge or replace the batterypack. 2) The battery pack may not be installed properly. Remove the battery pack and install it again.
2	Battery power dies shortly after charging	The battery pack life is finished. Replace the battery pack with a new one.
3	Can not talk to or hear other members in your group	Make sure you are using the same frequency and quiet talk tone as the other members in your group. Other group members may be too far away. Make sure you are within the range of the other transceivers.
4	Other voices (besides group members) are on the channel.	Change the Quiet Talk tone. Be sure to change the tone on all transceivers in your group .

■ STANDARD SPECIFICATION

	PT 2208	PT 3208	PT 3208
FREQUENCY (Mhz)	(1) 136-150 (2) 150-174	(1) 400-420 (2) 450-470	(3) 420-450
R F POWER	5W	4W	4W
CHANNELS	16 (15+S)		
POWER SOURCE	DC 7.2V		
DIMENSION	55mmX115mmX32mm		
WEIGHT	240 g with battery and antenna		

■ SETTING CHANNELS

CHANNEL	TRANSMITTING FREQUENCY	RECEIVING FREQUENCY	QT/DQT
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.