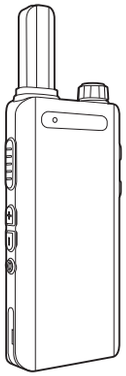
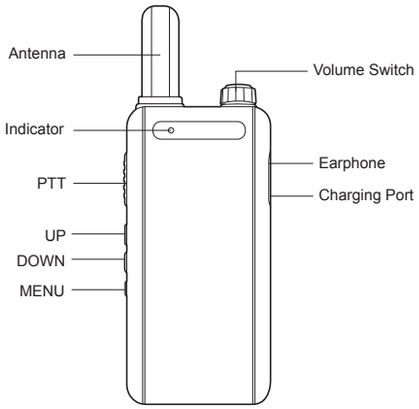
USER'S MANUAL



- FRS radio
- Scan
- VOX
- Chinese/English Voice Prompt
- Wide/Narrow Band Selection
- High-low Power
- Busy Lockout Function
- Low Battery Warning
- Special Signaling
- 50 CTCSS/208 DCS

Be Familiar With The Machine



Charging the Battery

1.The battery is not charged in the factory,please charge the battery under the environmental temperature 5-40℃ before using.

2.After purchasing or long-term storage(more than two months), charging the battery for the first time can not reach its saturation capacity,repeat charge/discharge for twice or three times to make battery capacity achieve the best state.

3.Before charging,please power off the transceiver,using the transceiver during charging may affect correct charging.

4.If the battery has been charged fully, please do not charge it again, otherwise the service life of the battery may be shorten or may be damaged.

5.If the service time is significantly reduced even after completely correct charging, the battery can not be used any more, please replace a new battery.

BASIC OPERATION

● Volume Adjustment

Press【UP】key for two seconds to enter into the monitoring mode, then turn the volume switch to adjust the volume.

● Channel Selection

After power up,short press【UP】key or【DOWN】key to adjust the channels.

● PTT

Press this button whenever you wish to talk with the users of the other radios.

● Monitoring

Long press【UP】key to enter into the monitoring mode, release it to exit.

● Scanning

It is convenient for the user to search for calls from other channels. When " Side Key " in the software is programmed to the scanning function, long press 【DOWN】 key for two seconds to enter into the scanning mode, the transceiver will start to scan with the current channel; Operate it again to exit.

● Emergency Alarm

When " Side Key " in the software is programmed to the alarm function, long press 【DOWN】key for two seconds to alarm; Press PTT key to exit.

● Channel Lockout

Long press 【MENU】 key for two seconds to lock,operate it again to unlock.

● High-Low Power

The transceiver has a high-low power selection, it can be programmed via software.

● Chinese/English Voice Prompt

The transceiver has a manual switching function between the Chinese and the English. Switch to Channel 16, turn off the transceiver, then press 【UP】 key and meanwhile turn on the transceiver to switch between the Chinese and English.

● VOX

This function can be voice activated so the user doesn' t have to press the PTT key. VOX gain inversion level refers to the voice sensitivity, it has level 1-9 !

● Busy Lockout Function

The function can prevent interference with other transceivers in the channel.

● Battery Power Saving

If there is no signal or operation, the radio will reduce its power consumption.The battery power-saving function activates when the channel is unoccupied or has not been in operation.

● Low Battery Warning

If the battery power falls to the predetermined value during transmission, the transceiver will give out a voice prompt, please charge in time.

● Time Out Timer(TOT)

The purpose of the TOT is to prevent any single person from using a channel for an extended period of time. An alarm will sound if the transmission continues beyond the set time.The transceiver will stop transmission if this occurs.To stop the alarm, release the PTT key and the transceiver will return to standby.

● CTCSS/DCS

The transceiver has 50 CTCSS and 208 DCS, also non-standard subaudio can be programmed !

● Special Signaling

Special Signaling refers to the CDCSS on the channels which is special processed codes.Only when the transceivers in the same company are programmed to the same frequency point with the same CDCSS and meanwhile special signaling is set, then they can talk to each other.

Technical Parameters

SPECIFICATIONS	
Frequency Range	462.5500-462.7250MHz 467.5625-467.7125MHz
Supply Power	DC3.7V
Channel	22
Antenna Comfiguration	Monople Antenna
Antenna Impedance	50Ω
Work Mode	Co/Differ-frequency Simplex Communication
Ground Method	Cathode
Dimension	148*55*25.5mm
TRANSMITTER	
Output Power	462.5500-462.7250MHz:32.38dBm 467.5625-467.7125MHz:25.22dBm
Modulation Mode	11K0F3E
Max.Frequency Deviation (Wide/Narrow)	12.5kHz
Sparious Radiation	≤7.5μW
Preemphasis Character	Per Octave 6dB
Emission Current	≤1.2A
RECEIVER	
Audio Distortion	＜10%
Intermodulation Interference Resistance(Wide/Narrow)	≥65dB/≥60dB
Receiving Current	≤380mA
Standby Current	≤25mA

- We May Change The Specifications For Technical Improvement Without Prior Notice.

FCC Statement:

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

SAR tests are conducted using standard operating positions accepted by FCC/ISEDC with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Before a new model is a available for sale to the public, it must be tested and certified to the FCC/ISEDC that is does not exceed the exposure limit established by the FCC/ISEDC. Tests for each product are performed in positions and locations as required by the FCC/ISEDC.

For body worn operation, this device has been tested and meets the FCC/ISEDC RF exposure guidelines when used with and accessory designated for this product or when used with and accessory that contains no metal.

To maintain compliance with FCC/ISEDC RF exposure guidelines hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face.

The equipment complies with FCC/ISEDC radiation exposure limits set forth for and uncontrolled environment. In order to comply with the FCC/ISEDC RF exposure requirement, the antenna installation must comply with following:

Users must be fully aware of the hazards of the exposure and able to exercise control over their RF exposure to qualify for the higher exposure limits.

Your wireless hand-held portable transceiver contains a low power transmitter. This product sends out radio frequency (RF) signals when the Push-to-Talk(PTT) button is pressed.

The device is authorized to operate at a duty factor not to exceed 50%.

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.

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Les tests SAR sont effectués en utilisant des positions de fonctionnement standard acceptées par la FCC/ISEDC avec l'appareil transmettant à son niveau de puissance certifié le plus élevé dans toutes les bandes de fréquences testées, bien que le SAR soit déterminé au niveau de puissance certifié le plus élevé, le niveau SAR réel de l'appareil tout en fonctionnement peut être bien en deçà de la valeur maximale. Avant qu'un nouveau modèle ne soit disponible à la vente au public, il doit être testé et certifié par la FCC/ISEDC qu'il ne dépasse pas la limite d'exposition établie par la FCC/ISEDC Les tests pour chaque produit sont effectués dans les positions et emplacements requis par la FCC/ISEDC.

Pour un fonctionnement porté sur le corps, cet appareil a été testé et répond aux directives d'exposition RF FCC/ISEDC lorsqu'il est utilisé avec un accessoire conçu pour ce produit ou lorsqu'il est utilisé avec un accessoire qui ne contient pas de métal.

Pour maintenir la conformité avec les directives d'exposition RF de la FCC/ISEDC, tenez l'émetteur et l'antenne à au moins 1 pouce (2,5 centimètres) de votre visage et parlez d'une voix normale, avec l'antenne pointée vers le haut et loin du visage.

Votre émetteur-récepteur portatif sans fil contient un émetteur de faible puissance. Ce produit envoie des signaux de fréquence radio (RF) lorsque le bouton Push-to-Talk (PTT) est enfoncé. L'appareil est autorisé à fonctionner à un facteur de marche ne dépassant pas 50 %.