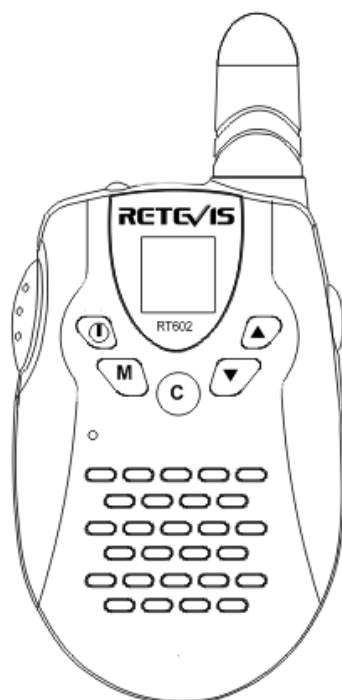
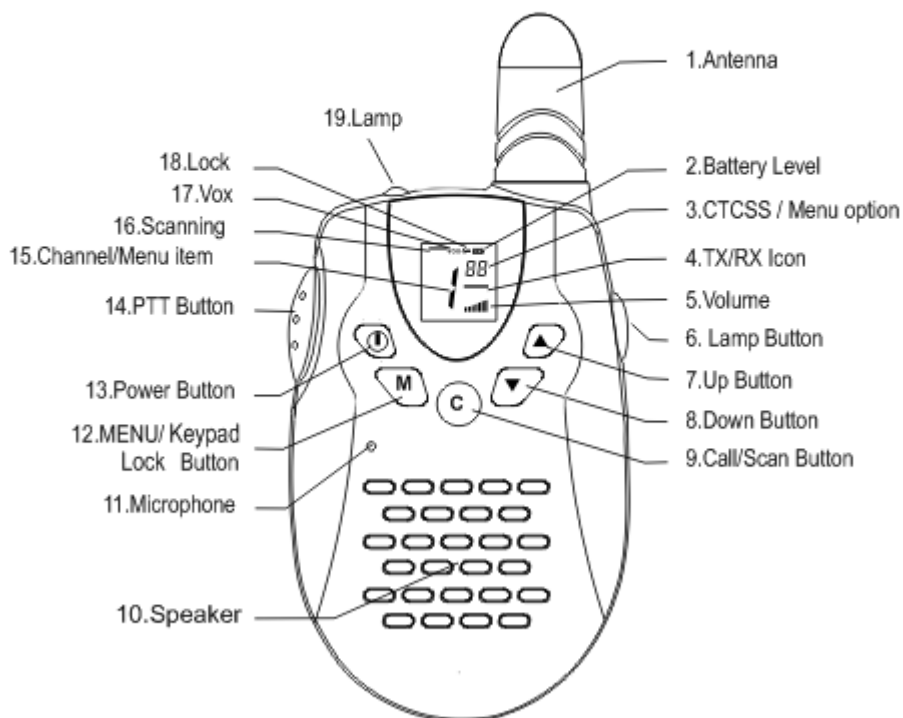


# RETG/IS

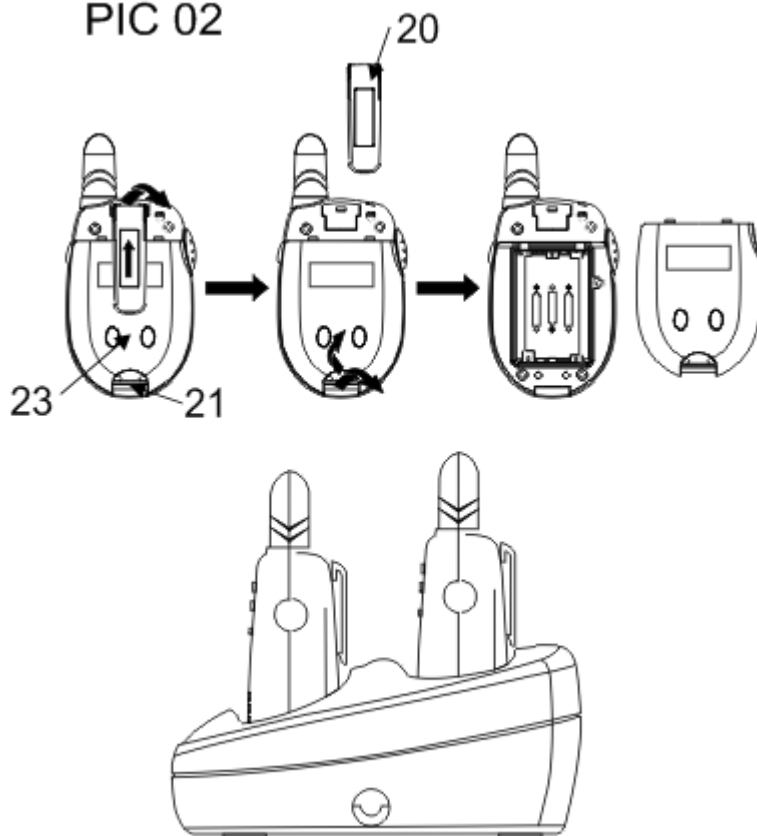


## **RT602** ***USER'S MANUAL***

# PIC 01



PIC 02



## **EN~Instructions for use**

This set includes 2 walkie-talkie units: these are communication devices which operate on mobile radio frequencies. They come with 80 channels as well as a back-lit LCD screen, enabling you to communicate over several kilometers free-of-charge.

NOTE: Please read these user instructions carefully before using the equipment and retain for future consultation!

### **SPECIFIC RECOMMENDATIONS**

- If you carry any kind of personal medical disease, consult a doctor before Use.
- To avoid the risk of burns, do not use the device if the antenna is damaged in any way.
- Do not use the device in a potentially explosive environment (e.g. around petrol pumps, on the lower deck of a boat or around a fuel storage installation or chemical products) Switch off the device if on an airplane or in a hospital.
- Never use the device in close proximity to a radio to avoid interference.
- Remove the batteries if the device is not in use for an extended period of time. Never mix used and new batteries
- Leave the transmitter and antenna at least 5 cm from your face. Direct the antenna upwards and speak normally.
- Clean the device with a damp cloth. Do not use cleaning agents and solvents.
- Do not modify the device in any way. If the device is damaged, please checked by a qualified professional.
- The device cannot be used to contact the emergency services.

## ITEM DESCRIPTION (Pic01,02)

1. Antenna
2. Battery level indicator
3. CTCSS / Menu option -value
4. RX icon -Displayed when receiving  
TX icon -Displayed when transmitting
5. Volume level indicator
6. Lamp Button
7. Up adjustor button (▲)
8. Down adjustor button (▼)
9. Call/SCAN button(C)
10. Loud speaker
11. Microphone
12. Enter the menu settings (**Menu**)
13. On /off button ( **U** )
14. Push to talk (PTT) button
15. Channel/Menu item indication
16. Scanning indication: Displayed during scan mode
17. VOX indication
18. Keypad lock indicator
19. Lamp
20. Belt attachment clip
21. Belt attachment
22. Batteries (not supplied)
23. Battery compartment

## **To install the batteries**

To insert batteries into the devices, first remove the belt attachment: lift the attachment clip (20) and press the belt attachment(21) upwards. Open the battery compartment (23) and insert 3 AAA batteries (22) (not supplied), ensuring that the poles are correctly aligned. Then close the lid.

## **USING THE WALKIE TALKIE**

### **1. Turn the device on/off:**

To turn on the devices on or off , press the on/off button(13) for 3 seconds, there will be a BEEP sound to confirm.

### **2.Adjusting the volume:**

To increase the volume, press the Up adjustor button ▲ (7) and press the ▼ (8) button to decrease volume.

Note: The volume level (5) is displayed on the screen.

### **3.Battery Charge Level/Low Battery Indication**

The battery charge level is indicated by the number of squares present inside the battery icon on the LCD screen.



Battery Full



Battery 2/3 charged



Battery 1/3 charged



Battery empty

When the battery charge level is low, the battery icon will flash and a beep will be heard to indicate that the batteries need to be replaced or recharged.

#### **4. Receiving/Transmitting communications:**

The devices are in 'Reception' mode when lit up, i.e. they are ready to receive a call or sound transmitting on the activated frequency.

When you press the Call tone button (9), the device switches to 'Transmission' mode. You are then transmitting a sound signal to the other device.

To send a voice message, press the PTT button (14) and speak into the microphone (11). Continue to press the button until you have finished transmitting your message.

Please keep press the PTT(14) button until you finish the transmitting.

Hold the Mic with a minimum distance of 5 cm from your face.

Note:

- The other device must be set to the same channel and same CTCSS code.
- When you finish the communication, please lose the hand, the other device will email the beep to indicate that the this device is ready to transmit.

#### **5. Changing Channels**

- Press the MENU button (12) once, the current channel number flashes on the display.
- Press the ▲ button (7) or ▼ button (8) to change the channel .
- Press the PTT button (14) to confirm and return to stand-by mode.

Note: If no button is pressed within 15 seconds during setting, the unit will return to standby .

#### **6.CTCSS (Continuous Tone Coded Squelch System)**

Licence free radio's operating on the 476~477 MHZ frequency band, like the Twin talker, have 80 available radio channels. If there are many radio's users in your neighborhood, there is a chance that some of these users are operating on the same radio channel. To prevent that you

receive signals from other users, sub-channels have been integrated. Two radios only be able to communicate with each other not only on the same channel but also set to the same sub-channels.

There is the sub-channels:continuous tone squelch system(CTCSS)

When using CTCSS, a low frequency tone(67-250Hz)will be transmitted along with the voice signal. There are 99 available tons to choose.

Note: To disable CTCSS, select code "0F" for CTCSS in the menu. When pressing PTT button to confirm.

## **7.CTCSS**

- Press the MENU-button (14) twice: The current CTCSS code flashes on the display.

- Press the ▲-button (7) or the ▼-button (8) to change to another code.

- Press the PTT-button (14) to confirm and return to stand-by mode.

Note: To disable CTCSS, select code "0F" for CTCSS in the menu. When pressing PTT button to confirm.

## **8. VOX Selection**

The radios is capable of voice activated (VOX) transmission. In VOX mode, the radio will transmit a signal when it pick up your voice or other sound around you. VOX operation is not recommended if you plan to use your radio in a noisy or windy environment.

Note: VOX mode will be overridden when you press the PTT-button (14).



- Press the MENU(12) three times, the current VOX setting flashes on the display and the VOX icon is displayed.
- Press ▲-button (7) to set the VOX sensitivity level between 1 and 3 (level 3 is the most sensitive level).
- Press ▼-button (8) until OF appears on the display, to turn VOX off.
- Press the PTT -button (14) to confirm and return to stand-by mode.

## **9.Scanning for an active radio channel**

- Press the call button (9):The 'Scan' function indicator (16) will appear on the screen and the channel (15) will scan continuously from 1 to 80.
  - Press the ▼ -button (8) to start the channel scan from 80 to 1. Once an active channel is found, the scanning will stops and you can listen to the transmission.
- When the transmission on the found channel stops, the scanning will resume automatically.

NOTE: If you press the PTT button (14) while listening to a found channel, the Radios will go back in stand-by mode on the found channel.

## **10. Call Tones**

A call tone alerts others that you want to start talking.

### **11.1 Setting the Call Tone**

The walkie talkies have 10 call tones.

- Press the MENU-button (12) four times, "CA" is displayed and the current call tone is flashing.
- Press the ▲-button (7) or the ▼-button (8) to change to another Call Tone.
- Press the PTT-button (14) to confirm and return to stand-by Mode.

### **11.2 Sending a call tone**

Press the button (9) briefly. The call tone will be transmitted on the set channel.

### **11.Key-Tone On/Off**

When a button is pressed, the unit will beep briefly. To set the key-tone.

- Press the MENU-button (12) five times, “to” will be displayed.
- Press ▲ to enable (ON) or ▼ disable the Key Tones (OF).
- Press the PTT-button (14) confirm your selection and return to the standby mode.

### **12.Roger Beep On/Off**

After the PTT-button is released, the unit send out a roger beep to confirm that you have stopped talking. To set the Roger Beep.

- Press the MENU-button (12) six times, “ro” will be displayed.
- Press ▲ to enable (ON) ▼ disable the Key Tone (OF)
- Press the PTT-button (14) to confirm your selection and return to the standby mode.

### **13.Button Lock**

- Press and hold the MENU-button (12) for two seconds to activate the Button lock mode. The button lock icon is displayed on the LCD Screen.
- Press and hold MENU button(11) until there are the Lock icon displayed on the LCD Screen.The same step to unlock the button.

Note: The PTT-button (14), the CALL-button (9), and the on/off button (13) will still be functional when the Button Lock is activated,But the other button deactivated.

### **14. Display back light**

To activate the backlight of the LCD display, press any button.

The LCD backlight will light up for 5 seconds.

### **15. BUILT-IN FLASH LIGHT**

The radio flashlight can offer more convenient in the dark and can send light signals.

### **16.Battery saving function:**

When the device has not been used for 6 seconds, the economy mode is automatically activated. This does not affect the reception of transmissions and the standard mode is automatically reactivated as soon as a signal is detected.

### **17.Charge the walkie talkies**

In the event you wish to use the unit with rechargeable battery. You will be required to use an DC adaptor.

Install 3.6V “AAA” NI-MH rechargeable battery Pack into the unit.

- Place the unit into the Charger Base.
- Put the adaptor into the wall outlet and insert the round end into the
- Charge Jack on the rear of the charger base.
- The LED light on Charger Base will turn RED once electricity get connected.

### **Specifications:**

1. Operating frequency: 476~477MHz
2. Output power:  $\leq 0.5W$
3. Channels: 80 PMR channels
4. Modulation type: F3E
5. Bandwidth: 12.5KHz
6. Antenna gain: 0 dBi

### **Warning:**

- 1) The antenna in the packing is unique, please do not optional change.
- 2) For safe operation, the antenna for the product shall be least 25mm away from your face.

- 3) Switching to other antennas is prohibited and will affect the radio performance.
- 4) DO NOT use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.



WARNING: CHOKING HAZARD – Small Parts. Not for children under 3 years.



Test position and configuration Head SAR was performed with the device configured in the positions according to IEEE1528, and face up SAR was performed with the device 25mm from the phantom. Body SAR was also performed with the headset attached and without 0mm from the phantom.



WARNING

Use only RETEVIS's approved supplied or replacement belt clip and accessories. Use of non-manufacturer-name approved accessories may exceed the RF exposure guidelines.



### WARNING

Please read the following brief instructions, non-compliance with these rules may cause danger or violate the law.

- Obey the local government regulation before using this radio, improper use may violate the law and be punished.
- Do not charge the transceiver and battery pack when they are wet.
- Ensure that there are no metallic items located between the transceiver and the battery pack.
- Do not use the options not specified by Retevis
- If the die-cast chassis or other transceiver part is damaged, do not touch the damaged parts.
- If the headset or headphone is connected to the transceiver, reduce the transceiver volume. Pay attention to the volume level when turning the squelch off.
- Do not place the microphone cable around your neck while near machinery that may catch the cable.
- Do not place the transceiver on unstable surfaces.
- Ensure that the end of the antenna does not touch your eyes.
- When the transceiver is used for long transmissions, the radiator and chassis will become hot.

- Don not touch these locations when replacing the battery pack.
- Do not immerse the transceiver in water.
- Always switch the transceiver power off before installing optional accessories.
- The charger is the Device that disconnects the units from the AC mains line, the AC plug should be readily accessible.
- Do not transmit too long, for the radio may heat and hurt the user



#### WARNING

For battery: Risk of explosion battery is replaced by an incorrect type, dispose of used batteries according to the instructions.

# Annex I

## Guarantee

Model Number:

Serial Number:

Purchasing Date:

Dealer:

Telephone:

User's Name:

Telephone:

Country:

Address:

Post Code:

Email:

### Remarks:

1. This guarantee card should be kept by the user, no replacement if lost.
2. Most new products carry a two-year manufacturer's warranty from the date of purchase. Further details, pls read <http://www.retevis.com/after-sale/>
3. The user can get warranty and after-sales service as below:
  - Contact the seller where you buy.

- Products Repaired by Our Local Repair Center
5. For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification

**Exclusions from Warranty Coverage:**

3. To any product damaged by accident.
4. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
5. If the serial number has been altered, defaced, or removed.