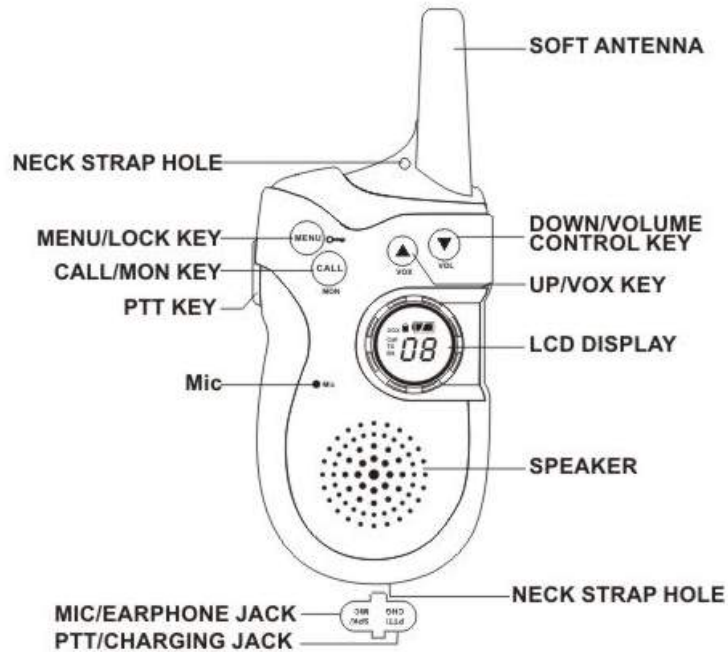


# I-Talk 1300 USER MANUAL

## Buttons and Controls






## Congratulations

You have just purchased a compact size quality 2 Way Radio. Please follow the operation and care instructions in this user manual to ensure years of trouble-free service.

## Main Screen (Fig.1)

1. VOX Indicator
2. Call Mode (call)
3. Transmitting Mode (TX)
4. Receiving Mode (RX)
5. Channel Number—display current channel (1-8)

## 6. Battery Level Indicator

-  Full
-  Reminds you to change the batteries
-  Blinks, batteries change is a must

## 7. Key Lock Indicator

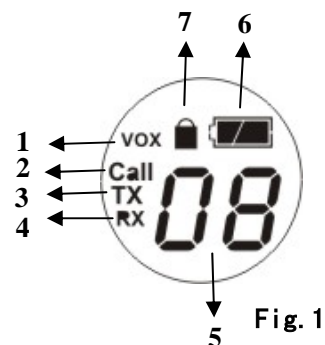
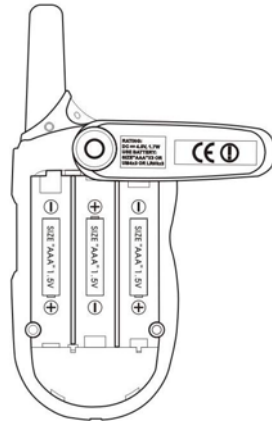


Fig. 1

## Battery Installation

1. Ensure the unit is off. Press the button on the belt clip and rotate clockwise or counter-clockwise 90°

2. Open the battery compartment door.
3. Install only 3 × “AAA” batteries according to the + / - signs shown in the battery compartment.
4. Close the battery compartment door. Press and rotate the belt clip to its normal position.



## Quick Guide

### A. Start to Operate



#### Power On / Off

1. Press and hold **MENU** key for 3 seconds, a “tic” sound indicates the radio is ready for use. (Fig.2)
2. Repeat the same to turn off the radio.



Fig.2

#### Key Lock / Unlock

1. To lock key, press and hold **MENU** key, then press **PTT** key.  will show on LCD. ( Fig.3)
2. To unlock key, repeat the same as above.  will disappear. ( Fig.2)

Remark: Under key lock mode, all keys will be locked except PTT and CALL.



Fig. 3

### B.“ Walkie Talkie ” Operation

#### Selecting Channel

1. Press **▲/▼** key to select channel. e. g. CH=8(Fig. 2)
2. Set both units into the same channel for communication.



Fig.4

#### Selecting Sub-code

1. Press **MENU** key 2 times within 1 second to enter CTCSS sub-code setting. “SC” shown on LCD screen (Fig.4).1 second later, current sub-code shown and blinking. (Fig.5)
2. Press **▲/▼** key to select sub-code (00/01-38).
3. Press **MENU** key again one more time to confirm and return to main screen.
4. If do not confirm sub-code, after 2 seconds, the setting will be confirmed automatically and return to main screen.



Fig.5



Fig.6

### To Make a Call

1. Press **CALL/MON** key once to connect the other unit in the same channel by transmitting call tone.(Fig.6)
2. There are short calling melodies indicate the starting and ending of call tone transmission.

### Transmitting message

1. Press and hold **PTT** key to speak into the microphone with a distance 2.5 to 5 cm away from the mouth.(Fig.7)  
“TX” shown on LCD indicating unit is in transmission mode.



Fig.7

### To Receive a Call

1. Release **PTT** key to receive signal from the other device after finishing talking.(Fig.8)  
“RX” means the radio is in receiving status.



Fig.8

### Talk Over Earphone

Simply plug the earphone into the Earphone Jack, speak into the microphone by pressing **PTT** key of the earphone.

## Functions Setup

### Selecting Channel

1. Press **▲/▼** key to select channel(1-8). (Fig. 2)
  2. When switching to the desired channel number, press **MENU** key to confirm.
- Remarks: The last channel number could be recalled.

### Selecting Sub-code

1. Press **MENU** key 2 times within 1 second to enter CTCSS sub-code setting.  
“SC” shown on LCD screen (Fig.4).1 second later, current sub-code shown and blinking.  
(Fig.5)
2. Press **▲/▼** key to select sub-code (00/01-38).
3. Press **MENU** key again one more time to confirm and return to main screen.
4. If do not confirm sub-code, after 2 seconds, the setting will be confirmed automatically and return to main screen.

Remark: • No sub-code shown on main screen.

- Channel and Sub-code is independently memorized, last channel and sub-code would be memorized before the unit off accurately.

### Activate / Close the Auto-scan of Channel

1. Press **▲** or **▼** key for 2 seconds to start channel scan.
2. The channel number is changing, it will stop scanning when it finds a channel where transmission is taking place.
3. Press **▲ / ▼** key again to stop channel scan.

### Auto Squelch (SQ)

Auto Squelch Control eliminates unwanted interference during communication.

### Activate / Close the VOX Function

VOX is the voice activating transmission function. Users can talk and communicate with each other without pressing and holding the **PTT** button.

1. Press and hold **MENU** key, then press **▲/VOX** key to activate VOX function, “VOX” icon shows on the screen.(Fig.9)
2. Repeat the same to exit from the VOX mode and close VOX function.



Fig. 9

### Activate / Close the Monitor Function

Monitor function is used during weak transmission, by activating it, all signal in the same channel will be received.

1. Press and hold **MENU** key, then press **CALL/MON** key to activate the MON function.
2. Press the same again to exit MON mode and close the MON function.

### Volume Level Adjustment

1. Press and hold **MENU** key, then press **▼/VOL** key to alter the volume level from “1” to “4”.(as Fig.10, VOL level: 4 )
2. The Volume level changes once when **▼/VOL** key is pressed once.
3. Release **▼/VOL** and **MENU** key to return the normal status.



Fig. 10

### Selecting Roger Beep

1. Turn off the unit
2. Press **CALL** and **MENU** key for 3 seconds to turn on the unit, “0n” or “0F” shows on the screen. (Fig.11 & Fig.12)
3. Press **▲ / ▼** key to select Roger Beep on (0n) or Roger Beep off (0F).
4. Press **MENU** key for 3 seconds to confirm the setting and return the normal status.



Fig.11



Fig. 12

### Selecting Power Output Level

This function can turn power output to different level accordingly to suit different needs.

1. Press and hold **PTT** key, then press **▲** key within 1 second to enter Power Output Level selectable mode.
2. “**HI**” or “**LO**” shows(Fig.13 & Fig.14), press **▲** key again to alter power output level.  
**HI** - High power output level (500mW)  
**LO**- Low power output level (10mW)
3. Release **PTT** and **▲** key to confirm and return the normal status.



Fig. 13



Fig. 14


Remarks: The frame of battery icon flashes as below if the unit is set in low power output level.




### LCD Backlight

LCD Backlight would be on for 5 seconds once any key is pressed.

### **Low battery Alert**

 displays on the screen indicates the battery level is low.

 displays on the screen with “Beep, Beep” sound indicates the battery level is low and change of battery is required.

Remarks: The unit could be turn off automatically when out of battery.

### **Charging**

The unit needs to be off during charging process. The battery icon loops and flashes during charging process. It stops flashing when the batteries are fully charged.

1. Please charge the rechargeable batteries before first time usage.
2. Use the supplied AC Charger or charging stand for the unit to charge.
3. Supply power : 6V/500mA
4. Fully charge needs 1-8 hours depending on remaining power of battery.

### **Setting Memory**

The setting set before the radio off is memorized and will automatically resume to it when turning on the radio again The setting will not be memorized if turning off the unit by pulling out batteries.

## **TECHNICAL SPECIFICATIONS**

<b><u>Description</u></b>	<b><u>Specifications</u></b>
Power Output	≅ 500mW (High Power Level) ≅ 10mW (Low Power Level)
Operating Frequency	446.00625 ~ 446.09375MHz
Channels	8
Modulation	FM
Communication Range	Un-obstructed conditions: Up to 1 km (Low Power Output) Up to 5 km (2 miles) (High Power Output)
Power Source	3 * AAA Alkaline Batteries or Ni-MH AAA 600mAh 1.2V Rechargeable Batteries (Do not mix Alkaline and Rechargeable batteries in the same unit.)
Battery Life	10 hours for rechargeable batteries (5% Transmission, 5% Reception, 90% Standby)
LCD	Backlit

### **PMR446 Transmit-Receive Frequencies (MHz)**

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	446. 00625	4	446. 04375	7	446. 08125

2	446.01875	5	446.05625	8	446.09375
3	446.03125	6	446.06875		

### Interference Eliminator Code Chart

Code	Frequency (Hz)	Code	Frequency (Hz)	Code	Frequency (Hz)
1	67.0	14	107.2	27	167.9
2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
10	94.8	23	146.2	36	233.6
11	97.4	24	151.4	37	241.8
12	100	25	156.7	38	250.3
13	103.5	26	162.2		

### **Trouble Shooting**

Problem	Solution
No Power	- Reposition or replace batteries
Message Not Transmitted	- Make sure the Push-to-Talk button is completely press as you transmit. - Reposition or replace batteries
Message Not Received	- Confirm radios have the same channel settings. - Make sure PTT is not inadvertently being pressed. - Obstructions operating indoors or in vehicles may interfere with communication. - Change your location. - Check to make sure volume is loud enough to be heard. - Reposition or replace batteries
Hearing Other Conversation or Noise on a Channel	- Shared channel may be in use, try another.
Limited Talk Range	- Steel/concrete structures to each other, heavy foliage will decrease communication range, check for clear line of sign to improve transmission. - Wearing radio close to body such as in a pocket or on a belt will decrease range, change location of radio.

- 
- Heavy Static or Interference
- Radio are too close to each other. Radio must be at least 15 feet apart, increase your distance.
  - Radio are too far apart. Obstacles interfere with transmission.
  - Talk range is up to 2 miles ( 3 km ) in clear and unobstructed conditions.

**Caution:**

- Please avoid charging for non-rechargeable batteries in the product as charging operation can only be performed with suitable rechargeable batteries.
- Please use only supplied accessories or optional accessories produce by our company or it might cause defect or damage to the unit.
- Please refer our distributor for optional accessories produce by our company.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. (TSUEN SHING, **BT-101-AC**)
- To reduce the risk of electric shock, do not expose this appliance to rain or moisture.
- Do not hold the antenna while the radio is in use, or transmissions quality affected.
- Your walkie talkie set has been fully adjusted prior to shipment from the factory. Never open your communicator' s case or adjust the settings inside the communicator.
- Never change or replace anything in your communicator except the battery.
- To clean your radio, use a soft cloth dampened with water. Do not use corrosive chemical solvent, they may harm the body of the unit and leak inside, causing permanent damage.