



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## 2 WAY RADIO USER MANUAL



### KEY INSTRUCTION

#### : **Power on/ Power off**

- .1.To turn radio on, press power [- .2.To turn radio off, press power [

#### : **Ring calling key**

- . Standby condition, press it and leave go of to send ring calling reminder sound to remind the receiver there is somebody calling him/her.

#### **MENU: Menu/ Lock key**

- 1. Press to entry menu.
- 2. Press and hold the button then turn radio on to lock or unlock keypads / Press to enter the function menu.

#### : **UP key**

- . Standing condition, press it 1 time, to increase the volume from grade 1 to grade 16
- . Menu condition, press it 1 time to select channel CTCSS, VOX, Key tone and calling reminding sound.

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**▼: Down key**

- . Standing condition, press it 1 more time, to decrease the volume 1 grade
- . Menu condition, press it to select channel CTCSS, VOX, Key tone and calling reminding sound.

**PTT: Talking key**

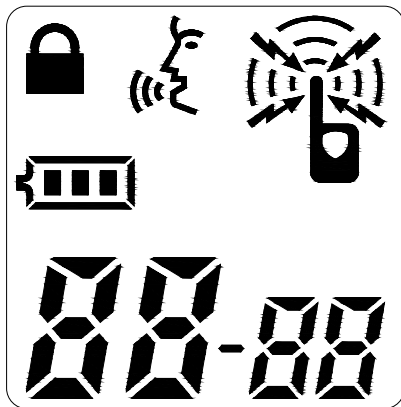
- . Continually press it when talking.
- . Leave go of to end the talking.

**LIGHT: Light key**








- . Push it ahead to turn on the light.
- . Push it backwards to turn off the light.

**[ • ]Scan/Monitor key**

- .Press Scan key for a long time to scan
- .Press Scan key for a short time to Monitor





**LCD DISPLAY**

	State of the battery: Show the battery power
	This picture appears when the radio transmits the signal
	Monitor and receiver indicator. When appearing, transmitting is inhibited.
	This icon shows when the keyboard is locked.
	Indicates when unit is in VOX mode
	Displays current channel
	Displays current CTCSS

## OPERATION INSTRUCTION

### TURN ON / TURN OFF

.Press power [  ] button for two second and radio will voiced "DI" and LCD will light to confirm.

.Press power [  ] button until you hear "DI" and LCD display disappears when radio on.

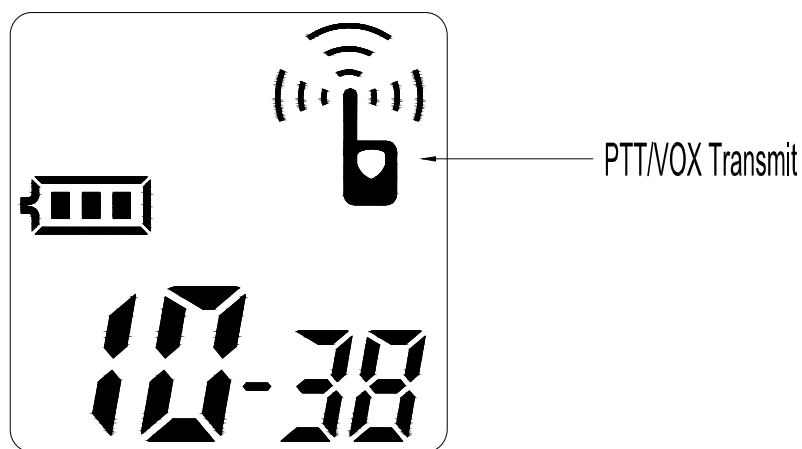
### TALKING

Press and hold [PTT], speak into the microphone (mic).

.Set up the VOX function, does not need pressing [PTT], speak into the microphone (mic) directly.

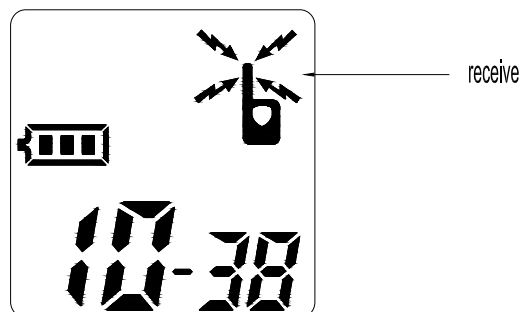
.VOX sensitivity

Number 1.Noisy No.3: Quiet off: Turn off the VOX function.



### Receive

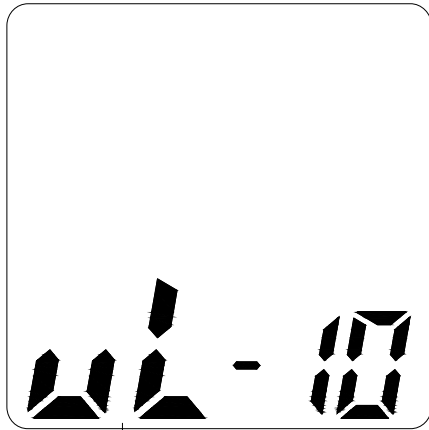
When radio on, it in the state of receiving automatically



### VOLUME ADJUST:


1. In standby mode, press UP[▲] or **down** [▼] button to adjusting receive volume LCD shows present volume grade.
2. Press **UP**[▲] or **down**[▼] button to choose the volume grade.1-16 grade(max:16)
3. Press [PTT] or **menu** [MENU] button to save.

This radio can save and withdraw from setting up automatically 10 seconds later



Volume grade display

### SENDING CALLING

. Standby condition, press  and leave go of to send ring calling reminder sound

### CHANNEL SETTING:

1. In standby mode, press menu [MENU] button once; Channel number begins to glimmer at present, namely enter the state of reset the channel.

Press **up**[▲]button or **down**[▼]to set up necessary channel number



Press [PTT] or menu [MENU]button to save.

This radio can save and withdraw from setting up automatically 10 seconds later.

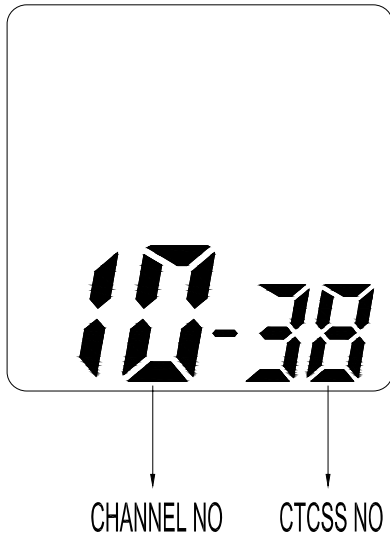
### CTCSS SETTING:

**Choose(CTCSS),can enable you to receive to with the call that the persons who set up(the same CTCSS)sent out, can receive other quiet sound user of yard call out, prevent from other with user interfere frequently.**

**NOTE: CTCSS can't be kept to your content of talk backing secret, she can only make your radio not receive to the call of other CTCSS users**

1. In stand by mode press **menu** [] button two times (if in the state of channel setting, pressing menu [] once).CTCSS number begins to glimmer at present, namely enter the state of reset the CTCSS.
2. Press **up**[▲]or **down**[▼]button to choose the CTCSS(1-38,OF-not choose).
3. Press [PTT] to save or press **menu** button again to enter the menu establishing.

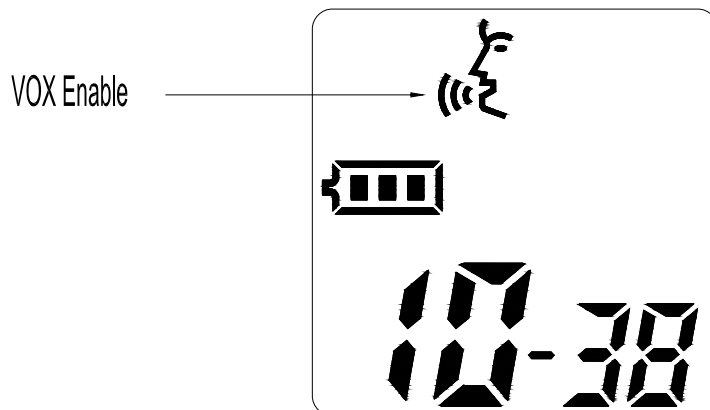
This radio can save and withdraw from setting up automatically 10 seconds later



### VOX function SETTING:

**VOX:** VOX function can send the voice automatically. At this time, you can speak without pressing PTT key.

1. Repeatedly press menu [MENU] button until show “vo-?”(?:the current state of hands of VOX)
2. Press **up** [▲]or **down**[▼] button to select this function, (1. Noisy 2. Normal 3. Silent OFF: disabled )
3. Press [PTT] or menu [MENU] button to save and exit.
4. If need to establish again please repeat the above step



### KEY TONG SETTING

1. Repeatedly press menu [MENU] button until show “bp-?” (?:the current state of hands of key tong)
2. Press **up** [▲]or **down**[▼] button to select this function.(On: open the key tong; oF: close the key tong)
3. Press [PTT] or menu [MENU] button to save and exit.

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4. If need to establish again please repeat the above step.

#### **CALLING SOUND SETTING:**

1. Repeatedly press menu [MENU] button until show “rl-?” (“?” a code of kind present call tone.
2. Press **up** [▲] or **down** [▼] button to choose the kind of necessary call tones. You can hear the rings tones established at this moment.
3. Press [PTT] or menu [MENU] button to save and exit.
4. If need to establish again please repeat the above step.

#### **Other operation**

##### **SCAN/Monitor**

##### **Scanning and Active Channel**

In standby mode, briefly press scan [ • ] button. The radio begins to scroll through channels when the radio detects an active channel, it stops on that channel flashing. To resume scan please press any button except scan [ • ] button or PTT (after the signal disappears). To stop scanning please press any key again.


##### **Monitor**

Before transmitting, press monitor button can monitor size of volume of the radio or the activity situation of checking this channel, then press [PTT] button or monitor button can finish monitoring.


##### **LOCK:**

The radio is in the mode of locking, the keypad of the radio can't be used, but still can press [PTT] and receive the signals of your groups.

##### **Enter the mode of locking:**

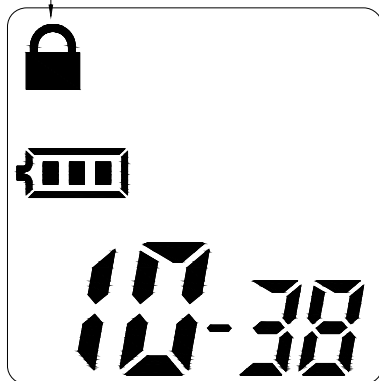
In standby mode, press menu [MENU] button until LCD display [  ] icon, at this moment radio enter mode of locking of keypad.

##### **Exit the mode of locking:**

In locking mode, press menu [MENU] 2 clock, until [  ] icon disappear, radio keyboard exit the mode of locking at this moment.

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Lock icon

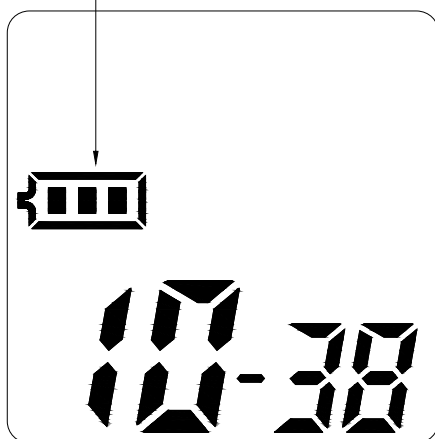


**POWER INDICATION:**

. Battery power indication icon has 4 grades (0-3).

Battery icon

Battery icon



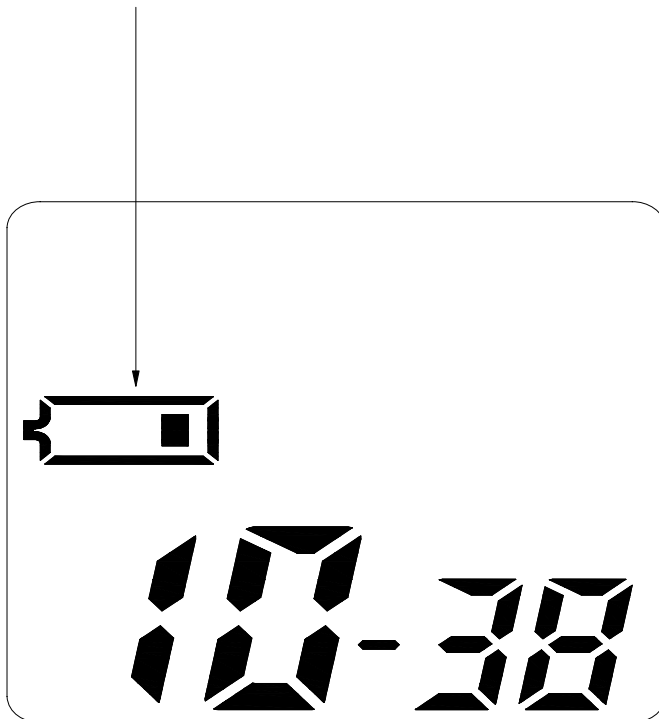
Lower power indicate

. When lower power, please recharge it by cranking or DC in adapter.

. Automatically power off when no any power.

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Lower power indicate



#### **SPECIFICATIONS**

Radio accords with the national standard, please rest assured to use.

Talk range: up to 3KM in open area.

Sensitivity: Superior to 119dBm---12SINAD

Power source: 3.6V

Output power: 0.5W

#### **TROUBLE SHOOTING**

Problem		Solution
No Power		Reposition, recharge or replace battery
Erratic Display		Reposition, recharge or replace battery
Message Transmitter	Not	Make sure PTT is completely pressed while you transmit. Shared channel maybe in use, try another channel
Message Received	Not	Confirm radios have same channel settings. Make sure PTT is not inadvertently being pressed. Obstructions and operating indoors or in vehicles may interfere with communication change you location. Increase volume



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Hearing other Conversation or Noise on a channel	Shared channel may be in use, try another channel or switch on CTCSS.
Limited Talk Range	Buildings and heavy foliage etc. will decrease range. To improve transmission check for clear line of sight and select an output power. Wearing radio close to body such as in pocket or on change location of radio. Increase volume.