

## ***General Feature***

- 14 Channel NO CTCSS
- 16 Step Digital Up/Down Volume Control with Level Display with Beep
- Channel Select Up/Down Button with Beep
- 2 Digit LCD Display for Channel / FM frequency
- Audible Low Battery Warning beep with LCD blinking
- Key Lock
- TX LED (RED) indicator
- AAA x 4 Battery operation
- Over 2 Miles
- 500mW output power
- Over 30hours operation
- Scan operation
- Light operation
- Light operation

## ***Key Assignment***

- |    |                                  |
|----|----------------------------------|
| 1. | PTT                              |
| 2. | Monitor                          |
| 3. | Menu                             |
| 4. | Single Audible Beep Call         |
| 5. | Power On/Off                     |
| 6. | Up for Volume & Channel change   |
| 7. | Down for Volume & Channel change |
| 8. | Light / Key Lock                 |
| 9. | Scan                             |

## ***Feature Description***

### ***Start***

When changing batteries, start mode become Power OFF automatically

In start mode, channel and volume become Default Value ( CH 1, Volume 9 )

### ***Power On***

Press and hold the POWER key for (1.5) seconds to power on with Beep and LCD will be on. It is in the RX Stand-by Mode. Back-light displays for (5) seconds.

### ***Power OFF***

Press and hold the Power Key for (0.5) seconds to power-off with Beep4 at the RX Standby Mode.

## ***MENU KEY***

STAGE 0 : VOLUME CHANGE

STAGE 1 : CHANNEL CHANGE

STAGE 2 : VOX MODE ON / OFF

Deactivate Menu Mode

1. Menu Button Push
2. PTT Key Push
3. Call Key Push
4. Time Out
5. Scan Key Push

Menu Mode STAGE 0

Press the UP/DOWN key to control the volume in Normal Mode

Volume control

1. Press the Up/Down key to increase /decrease the volume level from level 1 to level 8
2. For Repeat Mode Press the Up/Down key for more than (1.0) seconds
3. when level 1 and level 16, generate Volume Limit Message Beep
4. Each time increase/decrease 2 level, 2 icon become On/Off at the same time

Menu Mode Stage 1

- 1) Press and hold the Menu button one time for Channel Change Mode.  
While the current channel is blinking about 10 seconds
  - Press the Up/Down key to change channel
  - The channel is changed from 1 to 14 or from 14 to 1 repeatedly.
  - For Repeat Mode Press the Up/Down key for more than (1.0) seconds.

Menu Mode Stage 2

- 1) Press the Menu button twice for VOX Setting Mode  
While VOX icon is blinking about 10 seconds,
  - Press the Up/Down key to control the VOX Mode setting
  - The level indicate L3,L2,L1,OFF
  - When LCD indicate OFF, if press the Down key , generate Limit Message Beep

## ***PTT***

1. Press To Talk
2. Return from Program CH

## ***PTT Function***

1. Press to Talk
2. Return from channel change mode
3. Return from VOX setting mode

### ***EXTERNAL PTT***

Transmit without using PTT Key as below

1. External Speaker Mike
2. External VOX On

### ***INTERNAL VOX***

When Internal VOX Mode is on,  
VOX Sensibility level is controlled from 1 to 3 by Menu Key  
While VOX Mode is on , VOX Icon is indicated on LCD

### ***Call Function***

Press and release the Call key for about (3) seconds to transmit an audible Call Tone. The unit rings automatically returns to receive/stand-by mode when the Call transmission is over.

When call operation, all key is not operated except of Power Key

### ***Monitor Function***

Monitor Key is operated as below

1. Monitor On/Off
2. Continuous Monitor Mode On/Off
3. Scan Skip Function

#### ***- NORMAL MONITOR MODE***

During pressing the Monitor key, Audio is On and RX Icon appears on the LCD. Release the key to return to Stand-by Mode and Audio will be muted.

#### ***- CONTINUOUS MONITOR MODE***

Press the Monitor key for more than (3) seconds, Continuous Monitor Mode will be operated with Single Beep as BUSY(RX Icon appears on the LCD)

To release the Continuous Monitor Mode press the Monitor key twice as well as pressing the PTT or Call key.

#### ***- In Monitor Mode channel and volume can be adjusted.***

- Scan Skip Function When an active signal is detected, But communication is not desired, press the monitor button to bypass the channel and to continue scan.

### ***Back Light On/Off***

Press the Light Key shrtly to light up the LCD display. The lamp will go out after (5) seconds.

### ***Key lock On/Off***

Press the Light Key long till the Key Lock symbol is on the LCD  
Volume and Channel Change is disabled during Key Lock Mode.  
Press the Light Key same manner again to release Key Lock Mode.

### ***Scan Function***

The Scan activity is working in an endless channel loop from 1 to 14  
Press Scan Key to activate channel scan

1. check the detected channel by the 200msec
2. Scan Icon symbol is on the LCD.
3. Resume time keeps for 4 seconds
4. When an active signal is detected , Scan is paused keeping the active signal broadcasted.  
Operate PTT or external PTT . then Scan is stopped ant the active channel

### ***Low battery Detect***

When the battery level is low, the battery icon will flash to indicate that the batteries need to be replaced

### ***Power Saving***

The purpose of Power Saving is to maximize battery life.

### ***Power Saving Start***

- ✓ After Power On (3) seconds elapse
- ✓ After stop transmitting (3) seconds elapse
- ✓ After stop receiving (3) seconds elapse

### ***Power Saving releasing***

- ✓ Transmission
- ✓ Receiving(Carrier Detect)
- ✓ Monitor Operation
- ✓ FM Mode

## **NOTICE TO USERS**

The users manual or instruction manual shall include the following statement:

Warning: Adjustment to this unit or replacement of any transmitter component(crystal, semiconductor, etc.) to this unit that could result in a violation of the rules.

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, users

and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication.

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 needed.
- .. Consult the dealer or an experienced radio/TV technician for help.

If shielded cables or special accessories are required for compliance, a statement must be included which instructs the user to employ them, eg.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.