USER'S MANUAL VEF R-1
FEATURES
- No License Required (as sub title)
- 446MHz, 8 Channels
- Automatic scanning / manual Selection Channel
- 38 CTCSS code (important for individual calling)
- Range: 1-3 Km (depending on area)
- Monitor function
- Voice control (VOX for hand free operation)
- Volume control
- Auto power off hours selecting
- Key tone ON/OFF
- Ringer tone ON/OFF
- Light screen
- Call function
- Call tone selection

INSTALLING THE EARPHONE
Lift up the cap carefully when connecting the accessory headphone (No Included).

INSTALLING/ REMOVING BATTERIES
This transceiver requires 3 AAA batteries. Use high quality alkaline batteries or Ni-MH rechargeable battery to enjoy longer periods of battery life.
1. Release the battery cover clip, and then completely open the battery cover.
Remove the belt hook first if it has been installed.
2. Insert (or remove) the 3 AAA batteries.
Mate the battery polarities with those marked on the battery compartment.
3. Close the battery cover, and then lock it using the battery cover clip.
When the battery voltage becomes low, beeps sound and the "▪▲" symbol is shown on LCD. If you are using Alkaline battery, replace the batteries at this time.

BATTERY STATUS
This function for Rechargeable battery only.
The battery status symbol "▬▬" always displayed when unit is switched on, this symbol shows the battery status. When all bars are shown, the battery is fully charged. When the "▪▲" symbol is shown and blinking on LCD, and you can hear a warning tone, you will need to recharge battery before further use.

CHARGE BATTERY
This function for Rechargeable battery only.

When the "▪▲" symbol is shown and blinking on LCD, and you can hear a warning tone, you will need to recharge battery before further use.

Plug the special AC adaptor into the POWER socket and CHG hold on the right hand side of unit to recharge battery before further use.

ATTENTION: If your walkie-talkie installed Alkaline battery, please don't try to recharge it. Charging the non-rechargeable battery may the walkie-talkie will get heat and damaged.

OPERATION
POWER ON/OFF
1. To switch on the walkie-talkie, turn the button on the top.
2. To switch off the walkie-talkie, turn the button on the top to another side and then the display goes blank.

VOLUME CONTROL
1. To adjust the volume, press the UP or DOWN button while the walkie-talkie is in the status of idling or receiving mode.
2. LCD will display "ⱲL" symbol & volume level from "01" to "07" or "OF".

PUSH TO TALK
1. Press and hold the TALK switch, hold the walkie-talkie about 3 to 4 cm (1.5 to 1.6in.) from your lips. Then speak into the microphone in your normal speaking voice, LCD will display transmission indicator "▮".
2. Release the TALK switch to receive, LCD will display transmission indicator "∿"
3. Repeat above steps 1 and 2 to continue communication.

SELECTION CHANNEL
1. Press the MENU button into the setting status of "Channel" mode which will indicate a number with blink beneath the "Channel" symbol.
2. Then use the UP or DOWN button to scroll through and choose one of the 8 channels.
3. By pressing TALK button to return to the idling mode.

CTCSS CODES SETTING
You may some times want to hear call from only specific persons. The continuous tone coded system (CTCSS) allows you to ignore (not hear unwanted calls from persons in other groups who are using the same channel). Simply select the same CTCSS tone (number) as you party. A CTCSS tone is sub audible and is selectable from among the 38 standard tone frequencies.

Note: In order to use CTCSS, your party also must use a transceiver which has the CTCSS function.

CTCSS does no cause your conversation to be private. It only relieves you from listening to unwanted conversations.

1. Repeat press the MENU button into the setting status of "CTCSS" mode which will indicate a number with blink beneath the "CTCSS" symbol. Then use the UP or DOWN button to scroll through and choose one of 38 CTCSS codes.
2. By pressing TALK button to return to the idling mode.

CHANNEL AND CTCSS CODE SCANNING

1. Repeat press the MENU button into the setting status of "Scan Channel" and "CTCSS" mode which with the number of both the Channel and CTCSS blink on the display. Press the UP or DOWN button to start scanning.
2. By pressing TALK button to return to the idling mode when having chosen the desired channel and code.

KEY BEEP TONE FUNCTION

1. Repeat press the MENU button into the setting status of Key Beep Tone mode and shows the "κ𝙱" symbol on the display. Press UP or DOWN button to setting key beep tone function on or off. Every time when pressing a key button, when this function is on, you will hear a beep sound.
2. By pressing TALK button to return to the idling mode.

CALL TONE AND CALL DISPLAY

Your walkie talkie can transmit different call tones to other radios in your group so you can alert them that you want to talk to them. Each person in the group can have an individual call tone.

1. To set your call tone, press MENU button until display "CL" symbols. Which will indicates a number with blink beneath the music symbol.
2. Press UP or DOWN button to scroll through the available call tones. The walkie talkie plays a sample of each tone as you scroll through them. Then press TALK button to return to the idling mode.
3. To use your call tone, just press CALL button to transmit it to others.

VOICE CONTROL LEVEL SELECTING

1. Repeat press the MENU button into the setting status of voice control mode and shows the "𝘷𝘹" symbol on the display. Press the UP or DOWN button to select different Kinds of VOX sensitivity level which allows you to minimize the chance of unintended noise for triggering a transmission or choose "𝘖𝘍" to turn voice control function off.
2. Then press TALK button to return to the idling mode.

AUTOMATIC POWER OFF HOURS SELECTING

1. Repeat press the MENU button into the setting status of Automatic Power Off mode and shows the "APO" symbol on the display. Press the UP or DOWN button to choose the desired hour for automatic shut off, "0 𝘖𝘍" for not activity this function.
2. By pressing TALK button to return to the idling mode.

ROGER BEEP FUNCTION

1. Repeat press the MENU button into the setting status of Roger Tone mode and shows the "𝘙𝘣" symbol on the display. Press the UP or DOWN button to turn on or turn off this function. You will hear two beep sounds, when turn this function on, after having transmitting a signal.
2. By pressing TALK button to return to the idling mode.

MONITORING FUNCTION

When no signals are present, the squelch on this transceiver automatically functions to mute the speaker so that you will not hear background noise. You can, however, manually deactivate the squelch in any situation. You may try this when received signals are too weak to recognize or when you want to adjust the volume while listening to background noise.

1. Repeat press the MENU button into the setting status of Monitor mode and shows the "𝙢" symbol on the display. Press UP or DOWN button to set monitor function on or off.
2. By pressing TALK button to return to the idling mode.

Note: When in the idling mode, press and hold MON button for more than 2 seconds to activation monitor function, and release MON button will disable monitor function.

LIGHT SCREEN

Being in the dark is never a problem. Your walkie-talkie has a backlight will illuminate your display by pressing the LIGHT button.

If you go back to bright place or do not using the walkie-talkie. Press LIGHT button to extinguish backlight.

WARNING

1. When you unused the walkie-talkie for a long time, you must remove batteries, avoid battery go to the bad.
2. Use standard charger for recharge battery only.
3. Don't use walkie-talkie where blasting is in progress or on aircraft.
4. Don't attempt to service or repair your walkie-talkie by yourself. Non-expert handing of the device may damage it..

TECHNICAL DATA

PMR Channel Frequencies (Mhz)

Channel 1: 446.00625	Channel 5: 446.05625
Channel 2: 446.01875	Channel 6: 446.06875
Channel 3: 446.03125	Channel 7: 446.08125
Channel 4: 446.04375	Channel 8: 446.09375

38 CTCSS Tone Frequencies

CH1= 67,0Hz	CH11= 97,4Hz	CH21= 136,5Hz	CH31= 192,8Hz
CH2= 71,9Hz	CH12= 100,0Hz	CH22= 141,3Hz	CH32= 203,5Hz
CH3= 74,4Hz	CH13= 103,5Hz	CH23= 146,2Hz	CH33= 210,7Hz
CH4= 77,0Hz	CH14= 107,2Hz	CH24= 151,4Hz	CH34= 218,1Hz
CH5= 79,7Hz	CH15= 110,9Hz	CH25= 156,7Hz	CH35= 225,7Hz
CH6= 82,5Hz	CH16= 114,8Hz	CH26= 162,2Hz	CH36= 233,6Hz
CH7= 85,4Hz	CH17= 118,8Hz	CH27= 167,9Hz	CH37= 241,8Hz
CH8= 88,5Hz	CH18= 123,0Hz	CH28= 173,8Hz	CH38= 250,3Hz
CH9= 91,5Hz	CH19= 127,3Hz	CH29= 179,9Hz	
CH10= 94,8Hz	CH20= 131,8Hz	CH30= 186,2Hz	

TECHNICAL DATA

Channels	8 channels
CTCSS Sub-channels	38 for each channel
Output power	0.5W (max)
Range	up to 3 km (open field)
Batteries:	3AAA, NiMh 600 мАч
Max. Standby time:	60 hours
Max. Talk time:	12 hours