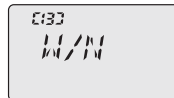
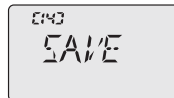


BAOFENG

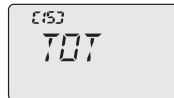
Press 【 MENU/LOCK 】 , turn clockwise or counterclockwise
【 DIAL 】 , come to MENU [13] W/N.



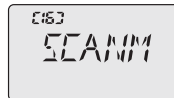
Press 【 MENU/LOCK 】 , turn clockwise or counterclockwise
【 DIAL 】 , come to MENU[14] SAVE.



Press 【 MENU/LOCK 】 , turn clockwise or counterclockwise
【 DIAL 】 , come to MENU [15] TOT..



Press 【 MENU/LOCK 】 , turn clockwise or counterclockwise
【 DIAL 】 , come to MENU[16] SCANM.



14

BAOFENG

Press 【 MENU/LOCK 】 , turn clockwise or counterclockwise
【 DIAL 】 , come to MENU [17] RELAYM.



Press 【 MENU/LOCK 】 , turn clockwise or counterclockwise
【 DIAL 】 , come to MENU [18] BCLO.



- ◆ Press the key 【 UV/MODE 】 ,confirm the setting, and EXIT the functions setting.
- ◆ Battery Save, Time-out Limit, Width/Narrow, only be changed via program software.
- ◆ Under the VFO mode, turn clockwise or counterclockwise 【 DIAL 】 to increase or decrease the frequency.

15

OPERATION

POWER ON/OFF

1. Be sure the Battery Pack is installed, and the battery is fully charged. Connect the antenna to the top panel ANTENNA jack.
2. Press and hold the key [ON/OFF], the current DC supply voltage will appear on the LCD for 2 seconds, and beeps will be heard, the display will resume its normal indication of the operating frequency.
3. To turn the transceiver off, press and hold the key [ON/OFF] again for one second.

-- --1'

ADJUSTING THE VOLUME LEVEL

Pull the [DIAL] knob to unlock the mechanical dial lock, then rotate the [DIAL] knob after press the key [VOL/MON], to set the desired audio level. Clockwise rotation increased the volume level.

ADVANCED OPERATION

RXCODE

You may sometimes want to hear calls from only specific persons or groups. In this case, use the selective call allows you to ignore unwanted calls from other persons who are using the same frequency.

Set the receiving signal according to the below instructions:

- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [1]: RXCODE
- 2) Then press [U/V] key, enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select from OFF /67.0-754N, press [MENU/LOCK] again, to select the code (Positive or negative), such as 023N---023I.

→ OFF → 67.0 → 023N → 023I

NOTE:

[CTCSS:67Hz---254.1Hz(50 groups);
DCS:023N-754N(104 groups)]

- 4) Press [U/V] key to save the setting and EXIT. Press [MENU/LOCK] or [PTT], EXIT to normal operation.

13
RXCODE

TXCODE

Set the transmitting signal according to the below instructions:

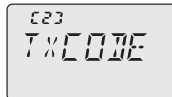
- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [2]: TXCODE
- 2) Then press [U/V] key, enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select from OFF / 67.0-754N, press [MENU/LOCK] again, to select the code (Positive or negative), such as 023N---023I.

→ OFF → 67.0 → 023N → 023I

NOTE:

[CTCSS:67Hz---254.1Hz(50 groups);DCS:023N-754N(104 groups)]

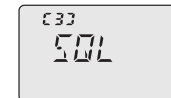
- 4) Press [U/V] key to save the setting and EXIT. Press [MENU/LOCK] or [PTT], EXIT to normal operation.



SQL (SQUELCH ADJUSTMENT)

Squelch System allows you to mute the background noise when no signal being received. The Squelch system make 'Standby' operation more pleasant, and significantly reduces battery current consumption. Please adjust the Squelch level according to the following instructions:

- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [3]: SQL
- 2) Then press [U/V] key, come to the default setting level SQL 5
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to adjust between 0/1/2/3/4/5/6/7/8/9 (Default Squelch level as 5). Select the level at which the background noise is just eliminated when there is no signal. Press [U/V] key to save the setting.
- 4) Press [MENU/LOCK] or [PTT], EXIT to normal operation.



LIGHT(LCD ILLUMINATION ON/KEY/OFF)

UV-3R includes a reddish illumination lamp which aids in nighttime operation. The red illumination yields clear viewing of the display in a dark environment, with minimal degradation of your night vision. Three options for activating the lamp are provided:

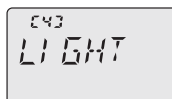
Key: Illuminates the LCD when any key pressed.

ON: Illuminates the LCD continuously.

OFF: Disables the LCD lamp.

Here is the procedure for setting up the Lamp mode:

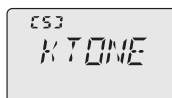
- 1) Press 【 MENU/LOCK 】 , rotate the 【 DIAL 】 knob, come to MENU [4]: LIGHT.
- 2) Then press 【 U/V 】 key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of 【 DIAL 】 knob to set ON/OFF/KEY
- 4) Press 【 U/V 】 key to save the setting.
- 5) Press 【 MENU/LOCK 】 or 【 PTT 】 , EXIT to normal operation.



KTONE (KEYPAD BEEPER ON/OFF)

If the Keypad Beeper will inconvenience you (especially being operated in the silent room), you may disable the Beeper according to the following instructions:

- 1) Press 【 MENU/LOCK 】 , rotate the 【 DIAL 】 knob, come to MENU [5]: K TONE
- 2) Then press 【 U/V 】 key to enter the set mode.



- 3) Clockwise or counterclockwise rotation of

【 DIAL 】 knob to set ON/OFF

- 4) Press 【 U/V 】 key to save the setting.

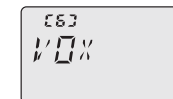
- 5) Press 【 MENU/LOCK 】 or PTT , EXIT to normal operation.

(ON-The beeper being activated, LCD displays icon. OFF-The beeper being disabled.)

VOX(VOICE OPERATED TRANSMISSION)

VOX eliminates the necessity of manually switching to the transmission Mode each time you want to transmit. The transceiver automatically switches to transmission mode when the VOX circuitry senses that you have begun speaking into the microphone. Please set according to the following instructions:

- 1) Press 【 MENU/LOCK 】 , rotate the 【 DIAL 】 knob, come to MENU [6]: VOX
- 2) Then press 【 U/V 】 key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of 【 DIAL 】 knob to set: OFF/1/2/3/4/5/6/7/8/9
- 4) Press 【 U/V 】 key to save the setting.



5) Press [MENU/LOCK] or [PTT] , EXIT to normal operation.

NOTE:

Grade 7-9: the Most Sensitive VOX Gain Level-Set under silent conditions.

Grade 4-6: the Medium Sensitive VOX Gain Level—Set under common conditions.

Grade 1-3: the Least Sensitive VOX Gain Level-Set under too much noise conditions.

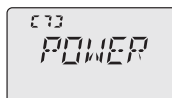
When VOX function is activated, the LCD will display the ICON 'VOX'.

POWER (HIGH/LOW RF OUTPUT POWER SELECTION)

Select the High/Low RF Output Power, please set according to the following instructions:

- 1) Press [MENU/LOCK] , rotate the [DIAL] knob, come to MENU [7]: POWER
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to set: HIGH/LOW
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT] , EXIT to normal operation.

When set the LOW output power, the LCD will display the ICON [LOW] , and not display the ICON [HIGH] , when set the HIGH output power.

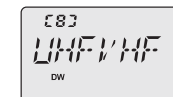


DW (DUAL WATCH FEATURE)

The transceiver's Scanning features include a two-channel scanning capability, which allows you to operate between UHF channel and VHF channel in the VFO mode, while periodically checking a user-defined channel for activity. If one channel is received the signal, the scanner will pause on that channel.

Please activate the DW feature according to the following instructions:

- 1) Press [MENU/LOCK] , rotate the [DIAL] knob, come to MENU [8]: DW
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to set: OFF (disables the Dual Watch feature)/ON (activates the Dual Watch feature)
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT] , EXIT to normal operation.

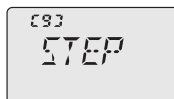


STEP (Channel Spacing Selection)

The UV-3R's frequency synthesizer provides the option of utilizing channel steps of 12.5/25KHz per step (optional values differ depending on the band selected). If you need to change the channel step

increments, the procedure to do is very easy.

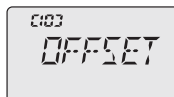
- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [9]: STEP
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select the new frequency step size (12.5/25KHz).
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.



OFFSET (Repeater Operation)

The UV-3R includes a number of features which make repeater operation simple and enjoyable.

- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [10]: OFFSET
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to set the offset frequency (0—37.995M/0---69.995M).
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.

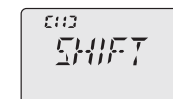


SHIFT (Repeater Shifts)

Depending on the part of the band in which you are operating, the repeater shift may be either

downward (-) or upward (+). One of these icons will appear at the top of the LCD when repeater shifts have been enabled.

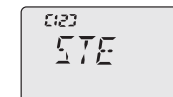
- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [11]: SHIFT
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select the repeater shifts: 0/-/+
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.



STE (Tail Tone Elimination)

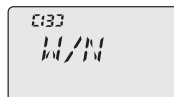
To eliminate the annoying audio caused by carrier wave disappearing after the transmitter ends the communication. You should enable the Tail Tone Elimination. On the contrary, if you want communication via the repeater, you should disable the Tail Tone Elimination.

- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [12]: STE
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select the STE: ON/OFF
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.



W/N (Wide/Narrow Band Selection)

- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [13]: W/N
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select the WIDE/NARROW:
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.

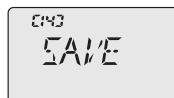


SAVE (Battery Saver)

The UV-3R includes a useful Transmit Battery Saver, which will automatically lower the power output level when the last signal received was very strong. For example, when you are in the immediate vicinity of a repeater station, there generally is no reason to use the high power output in order to achieve full quieting access to the repeater. With the transmit battery saver, the automatic selection of Low Power operation conserves battery drain significantly.

To activate the Transmit Battery Saver:

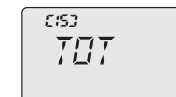
- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [14]: SAVE
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select the SAVE: ON/OFF
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.



TOT (Time-out Timer)

The TOT Feature provides a safety switch, which limits transmission time to a preprogrammed value. This will conserve battery power by limiting the length of transmissions. The TOT default is 180s. To adjust the timer, see the instructions below:

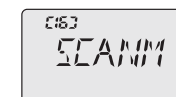
- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [15]: TOT
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select the TOT: OFF/30S/60S/90S/120S/150S/180S
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.



SCANM (Scan Mode)

The UV-3R allows you to scan the memory channels, entire operating band, or a portion of that band. It will halt on signals encountered, so you can talk to the station on that frequency, if you like. To select the scanning mode, please see below:

- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [16]: SCANM
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select the SCANM: TO/CO
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.



ELAYM (Repeater Sound Response)

The UV-3R comes with the Repeater Sound Response feature. When the feature is activated, the handheld transceiver will hear the sound from the repeater, that means the handheld transceiver is working via the repeater. Please see below to activate the features:

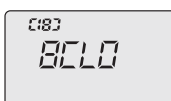
- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [17]: RELAYM
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select the RELAYM: ON/OFF
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.



BCLO (Busy Channel Lock-out)

The BCLO feature prevents the radio's transmitter from being activated if a signal strong enough to break through the 'noise' squelch is present. On a frequency where stations using different CTCSS or DCS codes may be active. BCLO prevents you from disrupting their communications accidentally (because your radio may be muted by its own Tone Decoder). The default setting for the BCLO is OFF. The below instruction is the procedure to activate the BCLO:

- 1) Press [MENU/LOCK], rotate the [DIAL] knob, come to MENU [18]: BCLO
- 2) Then press [U/V] key to enter the set mode.
- 3) Clockwise or counterclockwise rotation of [DIAL] knob to select the BCLO: ON/OFF
- 4) Press [U/V] key to save the setting.
- 5) Press [MENU/LOCK] or [PTT], EXIT to normal operation.



ADDITIONAL FUNCTIONS AND SETTINGS

MEMORY CHANNEL STORAGE (Memory Channels 01-99)

Store the Memory Channel according to the following instructions:

- Select the desired frequency while operating in the VFO mode. Be sure to set up any desired CTCSS or DCS tones, as well as any repeater offset.
- Press [F/ALERT] button, then press [U/V] key, Channel 01-99 will flash on the LCD, rotate [DIAL] knob to store the channel between channel 01-99.
- Press [U/V] key to save the setting.
- Repeat the process above, to store other channels.
(Note: Repeater offset frequency should be set via programming software.)

EMERGENCY ALARM FEATURE

Press and hold the [F/ALERT] button about 1/2 seconds, come to the Emergency Alarm Mode, emergency alarm will be heard, press [PTT] button, EXIT to normal operation.

FM RADIO FUNCTION

- 1) Press and hold the button [POWER], come to the FM Radio Mode.
- 2) Rotate the [DIAL] knob to adjust the frequency. (The FM broadcast coverage is 87.0MHz to 108.0MHz, Frequency step as 100KHz).
- 3) Then press and hold the [POWER] button, EXIT the FM Radio Mode.
- 4) Press and hold the [U/V] to switch the FM radio frequency mode and the FM radio save channel mode.

To save the FM radio channel, please see the following instructions:

- 1) Under the FM radio frequency mode, set the frequency you want to save.

- 2) Press the 【 F/ALERT 】 button, and then press the 【 U/V 】 button, 01-15 flashes on the LCD display, rotate the 【 DIAL 】 knob to save it.
- 3) Press the 【 U/V 】 button to confirm saving.
- In the FM radio mode, the communication between the transceivers is priority. That means in the FM radio mode, when the signal come, the transceiver will automatically exit the FM radio mode.

FM RADIO SCANNING

In the FM Radio mode, press 【 F/ALERT 】 button, then press 【 MENU/LOCK 】 key to scan the complete band. Clockwise or counterclockwise rotation of 【 DIAL 】 knob to scan the band from low to high or from high to low. When searches the certain channel, the scanning will stop at the channel. Rotate the 【 DIAL 】 knob, continuously to scan from low to high or from high to low. Press any key to exit the scanning.

TROUBLESHOOTING GUIDE

problems	solutions
No Power	Check battery installation and/or replace batteries.
Voltage Capacity Quickly Goes Out	The battery life is over, replace new one.
Can't Communicate with Other Group Members	Verify that the frequency and the CTCSS you are using are the same as those of your group members.
Hear the Voice from Other Groups	Change your CTCSS for the channel. You also need the CTCSS for all the radios in your group.

SPECIFICATIONS

Frequency Range	VHF136-174 UHF400-470MHz (Dual Band)
Channel Capacity	99
Channel Spacing	12.5KHz
Operated Voltage	3.7V
Standard Battery	1200mAh
Battery Life(5-5-90 duty cycle)	8 hours
Frequency Stability	2.5ppm(-20℃-60℃)
Operated Temperature	-30℃ - +60℃
Antenna Impedance	50 Ω
Dimension	47mm x 81mm x 23mm
Weight	About 130g
R.F Power Rating	2W
Modulation	F3E
Spurious Emission	≥ 65dB
FM Noise	45dB(W)/42dB(N)
Transmitting Current	≤ 1.4A
Sensitivity (12dB SINAD)	0.2uV
Spurious Response Rejection	≤ -60dB
Audio Output Power@8Ω	≤ 1.7V
Receiver Current	≤ 400mA
Standby Current	≤ 75mA

DECLARATION OF CONFORMITY

We, FUJIAN NAN'AN BAOFENG ELECTRONICS CO., LTD. (Address as Changfu Industrial Zone, Xiamei, Nan'an, Quanzhou, Fujian, China.) hereby declare our product:

Product Name: Two Way Radio

Brand Name: BAOFENG

Model Number: UV-3R

is in compliance with the essential requirements and other relevant provisions of the R&TTE 2006/95/EC, 2004/108/EC and 99/5/EC, and carries the CE mark accordingly.

Supplementary information:

The product complies with the requirements of:

EN60950-1:2006+A11:2009; EN50332-1:2000
ETSI EN 300 086-1 V1.3.1 (2008-09); ETSI EN 300 086-2 V1.2.1 (2008-09)
ETSI EN 301 489-1 V1.8.1 (2008-04); ETSI EN 301 489-5 V1.3.1 (2002-08)

Date: April 15, 2011 Signature: WANG SHAO FENG

FUJIAN NAN'AN BAOFENG ELECTRONICS CO., LTD.

CHANGFU INDUSTRIAL ZONE, XIAMEI, NAN'AN, QUANZHOU, FUJIAN, CHINA

TEL: +86-595-86752889/86767889 FAX: +86-595-86753889

E-Mail: baofeng@263.net <http://www.powerphone.com.cn>