User's Manual

WORKING MODE SET MENU MODE SHORTCUT MENU OPERATION

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WORKING MODE

- 1) Frequency Mode (VFO)
 - Under this mode, you can use [] / [] key to change the frequency or input the frequency by keypad directly and store channels.
- 2) Frequency-Channel Mode (MR)

When you have stored a memory channel at least and under VFO mode, press [xxx] key to enter MR mode.

The frequency will be indicated on the display and the channel No. will be indicated at the right side. If the transceiver display name option is ON and channel name edited, it will show the name of the channel.

Please see Shortcut Menu Operation Item 23&24. Page 36.

- 3) Channel Mode (CH)
 - When you have stored a memory channel at least, press [] key and switch power on the radio, enter CH mode. Channel No. will be indicated on the display and if the transceiver display mode option is ON, it will show the name of the channel. Please see Shortcut Menu Operation Item 23&24. Page 36.
- 4) FM Radio Mode

TH-UVF9 provides frequency 76.00-108.00MHz FM radio.

Under this mode, you can choose FM frequency you need directly. Scan frequency

range and store your favorite channels. Press [[]] to enter and exit FM radio mode.

5) MENU Mode

Press [] key to enter MENU mode, there are 34 items in total. Please see SET MENU MODE. Page 21

6) Reset Mode

- 1. [] or [] key to select VFO/FULL.
- 2. VFO: initialize all setting under frequency mode.
- 3. FULL: initialize all setting under frequency and memory mode.

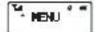
SET MENU MODE

No.	LCD Display	Available Values	Description of Function
01	SCAN	1	Frequency/Channel Scan
02	TX.SEL	EDIT / BUSY	Priority Transmit
03	VOX	1-8	VOX Level Setting
04	POWER	LOW / HIGH	High/Low TX Power
05	SQL	0-9	SQL level setting
06	D.WAIT	ON / OFF	Dual Wait/Standby
07	LED	ON / AUTO / OFF	LED Display mode
08	LIGHT	COLOR1 / COLOR2 / COLOR3	Backlight brightness setting
09	BEEP	ON / OFF	Keypad Beeper Setting
10	ANI	ON / OFF	Automatic Number Identity
11	тот	OFF / 30 / 60 / / 270	Transmitter Time-Out Timer
12	BCLO	OFF / WAVE / CALL	Busy Channel Lock-Out
13	VOX.SW	ON / OFF	VOX Switch ON/OFF
14	ROGER	ON / OFF	Transmit Over Beeper
15	DW	ON / OFF	Dual Watch/Monitor

No.	LCD Display	Available Values	Description of Function	
16	RX.SAV	ON / OFF	Receive Saver	
17	SCAN,S	TO/CO/SE	Scan Mode	
18	AUTOLK	ON / OFF	Auto Keypad Lock	
19	VOICE	ON / OFF	Voice Prompt	
20	OPNSET	OFF / DC / MSG	Power-on Display	
21	VLG	1	Battery Power Voltage	
22	PONMSG	-1A, @	Power-on Message	
23A	OFFSET	0.000-99.995MHz	Repeater Shift (Under VFO mode)	
23B	DIS.NM	ON/OFF	Display Channel Name	
24	CHNAME	-1A, @	Channel Name Editing	
25	C-CDC	OFF / 67.0 / D023N	TX/RX Tone coder	
26	R-CDC	OFF / 67.0 / D023N	RX Tone coder	
27	T-CDC	OFF / 67,0 / D023N	TX Tone coder	
28	S-D	+/-/OFF	Shift Direction	
29	STEP	5K / 6.25K / / 25K	VFO Step	

No.	LCD Display	Available Values	Description of Function
30	N	NARROW	Narrow Band
31	SEEK 67,0	1	CTCSS Scanning
32	SEEK D023N	I	DCS Scanning
33	DALARM	ON/OFF	Man Down
34	VIBRATE	ON/OFF	Vibration
35	SCR.NO	1-8	Voice scrambler
36	APRO	OFF/COMP/SCRA	voice mode

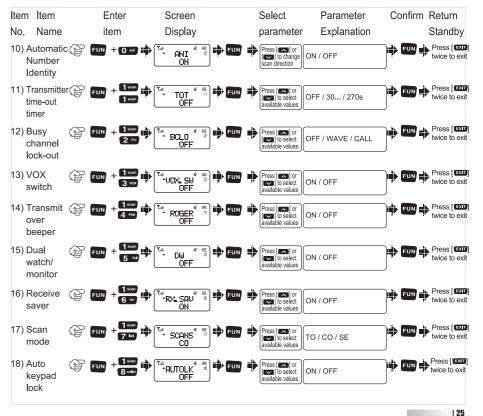
Menu Operation



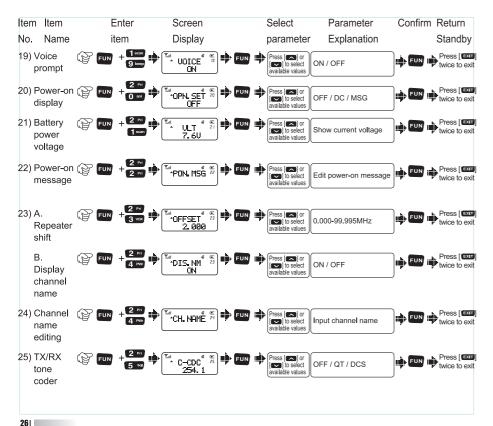
- Press [] or [] to select the desired menu item, LCD display current setting of selected item.
- Press [] to enter and then press [] or [] to select the desired setting.
- 4) Press [III] to confirm.
- Press [] twice to exit and then return to standby mode.

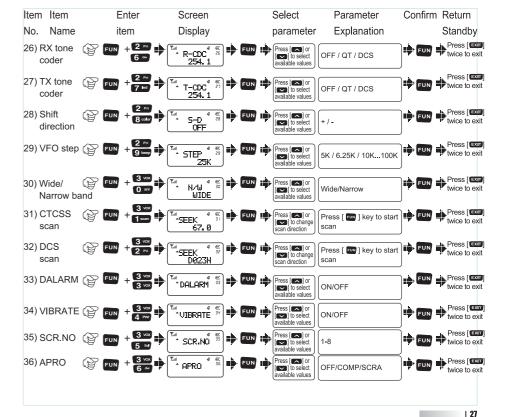
SHORTCUT MENU OPERATION

em Item	Enter	Screen	Select	Parameter	Confirm Return
lo. Name	item	Display	parameter	Explanation	Standby
) Frequency (/Channel scan	FUN + 1 scan	You SCOON 4 07		ress [w] key to tart scanning	FUN Press [EXI
) Priority	FUN + 2 PM	TX. SEL © PUN	Press [or] or [or] to select available values	DIT / BUSY	Press [EXI
) VOX level @ setting	FUN + 3 vox	Yall UCK 4 © 33	Press [or] or [or] to select available values	OX level: 1~8	Press [EXI
) TX power @ setting	FUN + 4 PW	POW ON LOW	Press [or] or [or] values H	igh / Low	Press Ext twice to ex
) SQL level @ setting	FUN + 5 %	SQL OS FUN	Press [or] or [or] to select available values	QL level: 0~9	FUN Press Ext
) Dual wait/ 🍞 standby	FUN + 6 dw	Tall D. WAIT S S FUN	Press [or] or [or available values]	N / OFF	Press [EXI
) LED @ display mode	FUN + 7 ₪ i	Yal 4 C P PUN PUTO	Press [or	N / AUTO / OFF	Press [EXI
) Backlight brightness setting		LIGHT S FUN		OLOR1 / COLOR2 / OLOR3	FUN Press [EXI
) Keypad 🏻 🍞 beeper	FUN + 9 beep	BEEP 6 03 P. FUN	Press [or] or [or] to select available values	N / OFF	Press [EXI



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ADVANCED FUNCTIONS

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DETAILED FUNCTION DESCRIPTIONS

1) Scan & Scan Mode setting (SCAN&SCANS---MENU 1&17)

Functions: under VFO/MR/CH mode, TH-UVF9 allows you to scan the entire current operating band and memory channels.

Enter Menu 1st and press [[] key to start scanning.

When you have started scanning, press [] / [] key to change direction. And it will halt on a signal it encounters, press PTT key to stop scanning; Press MONI key to stop scanning temporarily; Press [] key again to exit the scanning function.

Scanning operation is basically the same in each of the above modes. Before you begin, take a moment to select the way in which you would like the scanner to halt on a signal.

Enter Menu 17th to set scan mode. Default: TO.

Three options for the scan mode are available under VFO mode:

- TO: In this mode, the scanner will halt on a signal it encounters, and will hold there for some time. If you do not take action to disable the scanner within the time period, the scanner will resume even if the stations are still active.
- CO: In this mode, the scanner will halt on a signal it encounters, and will hold there if the stations are still active. And after the carrier has dropped, the scanner will resume.
- SE: In this mode, the scanner will halt on a signal it encounter, it will not restart automatically; you must manually re-initiate scanning if you wish to resume.

2) Priority Transmit (TX.SEL---MENU 2)

Functions: TH-UVF9 allows you to transmit on the sub band even if you are working on the operating band.

Enter Menu 2nd to select priority transmit band. Default: EDIT.

EDIT: It will transmit on the operating band.

BUSY: It will transmit on the band last talking used.

3) VOX Level & VOX Switch (VOX&VOX.SW---MENU 3&13)

Functions: the VOX function provides automatic transmit/receive switching based on voice input to the microphone. With the VOX switch ON, you do not need to press **PTT** switch in order to transmit, and it is not necessary to use a VOX headset in order to utilize VOX operation.

Enter Menu 13th to set VOX switch, Default: OFF,

When the VOX is activated, the "VOX" icon will appear on the display.

Enter Menu 3rd to set VOX level. It has 8 grades.

The higher level is, the more sensitive will be.

TH-UVF9 provides for adjustment of "Hang-Time" of the VOX (the transmit-receive delay after the cessation of speech) via program software.

Default: 2s.

4) TX Power setting (POW---MENU 4)

Functions: you can select high/low TX power according to your talking environment and need. When you store memories, you can store High and Low power settings separately in each memory.

Enter Menu 4th to set TX power.

High: 4W

Low: 0.5W, when you select Low power, the "L' icon will appear on the display.

5) Squelch Adjustment (SQL---MENU 5)

Functions: TH-UVF9's Squelch system allows you to mute the background noise when no signal is being received. Not only does the Squelch system "standby" operation more pleasant, it also significantly reduces battery current consumption.

Enter Menu 5th to set SQL level. Default: 5.

6) Dual Wait/Standby (D.WAIT---MENU 6)

Functions: TH-UVF9 allows you to receive the sub band signal even if you are working on the operating band. It could monitor the signal under both master and sub band at the same time.

Enter Menu 6th to set Dual Wait. Default: ON.

7) LED Display Mode (LED---MENU 7)

Function: select the LED/Keypad Lamp mode.

Enter Menu 7th to select LED display mode. Default: AUTO.

ON: LED display lights all the time.

AUTO: Illuminates the LED when any key is pressed and after 3s the light is off.

OFF: Disable the LED lamp.

8) Backlight Brlghtness setting (LIGHT---MENU 8)

Functions: choose LED backglight brightness.

Enter Menu 8th to select backlight brightness. Default: COLOR2.

COLOR1: brighter.

COLOR2: default setting.

COLOR3: darker.

9) Keypad Beeper setting (BEEP---MENU 9)

Functions: enable/disable the keypad beeper.

Enter Menu 9th to set keypad beeper. Default: ON.

10) Automatic Number Identity (ANI---MENU 10)

Functions: sending ID code when TH-UVF9 transmits, the others can receive it directly on the display if they also have ANI function.

Enter Menu 10th to set ANI. Default: OFF.

11) Transmitter Time-Out Timer (TOT---MENU 11)

Functions: the TOT feature provides a safety switch which limits transmission to a pre-programmed value. This will promote battery conservation by not allowing you to make excessively-long transmissions, and in the event of a stuck PTT switch it can prevent interference to other users as well as battery depletion.

Enter Menu 11th to set TOT. Default: OFF.

12) Busy Channel Lock-Out (BCLO---MENU 12)

Functions: 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).

Enter Menu 12th to set BCLO. Default: OFF.

OFF: Disable BCLO feature.

WAVE: the radio's PTT will be prevented only if the frequency is busy used.

CALL: the radio's PTT will be prevented only the frequency and tone coder is the same.

13) Transmit Over Beeper (ROGER---MENU 14)

Functions: sending a beeper to inform the receiver TX is over.

Enter Menu 14th to set ROGER. Default: OFF.

14) Dual Watch/Monitor (DW---MENU 15)

Functions: Dual Watch feature makes TH-UVF9 can monitor the calling signal when FM radio is on and you won't miss any calling.

Enter Menu 15th to set DW. Default: OFF.

15) Receive Saver (RX.SAV---MENU 16)

Functions: this feature significantly reduces quiescent battery drain, and you may not receive the full data burst.

Enter Menu 16th to set RX.SAV. Default: OFF.

16) Auto Keypad Lock (AUTOLK---MENU 18)

Functions: in order to prevent accidental frequency change or inadvertent transmission, various aspects of the TH-F8's keys and switches may be locked out.

Enter Menu 18th to set AUTOLK. Default: OFF.

When you switch AUTOLK ON, the keypad will be locked automatically if there is no key operation for 5 second.

If the radio is locked, press [•] key to unlock it. Also you can lock it using [•] key by manual.

17) Voice Prompt (VOICE---MENU 19)

Functions: enable/disable voice prompt.

Enter Menu 19th to set VOICE. Default: ON.

18) Power-on Display setting (OPN.SET&VLT&PON.MSG---MENU 20&21&22)

Functions: choose power-on display mode and edit power-on message

Enter Menu 20th to set OPN.SET. Default: OFF.

OFF: display model version

DC: battery power voltage

MSG: power-on message

Enter Menu 21st to check battery voltage.

Enter Menu 22^{nd} to edit power-on message, also you can edit it directly by program software.

Using [▲] / [✔] to select character; [★ ☑] / [# ☑] to switch cursor position.

19) Repeater Shift setting (OFFSET&S-D---MENU 23&28)

Functions: repeater stations, usually located on mountaintops or other high locations, provide a dramatic extension of the communication range for low-powered hand-held or mobile transceivers.

Under VFO mode, you can set the magnitude and direction of the repeater shift.

Enter Menu 23rd to set magnitude of the repeater shift.

Available values: 0.00 ~ 99.95 MHz

Enter Menu 28th to set the repeater shift direction. Default: OFF.

20) Display Channel Name (DIS.NAME&CH.NAME---MENU 23&24)

Functions: switch channel name display ON/OFF and edit channel name under MR/CH mode.

Enter Menu 23rd to switch display channel name ON/OFF.

Enter Menu 24th to edit channel name, also you can edit it directly by program software.

Using [\bigcirc] / [\bigcirc] to select character; [\bigcirc] / [\bigcirc] to switch cursor position.

21) Tone coder & Tone Search Scanning & Tone calling (C-CDC& R-CDC& T-CDC&SEEK 67.0&D023N---MENU 25&26&27&31&32)

Function 1: CTCSS/DCS Operation

Many repeater systems require that a very-low-frequency audio tone be superimposed on your FM carrier in order to activate the repeater. This helps prevent false activation of the repeater by radar or spurious signals from other transmitters.

Enter Menu 25th/26th/27th to set TX&RX Tone coder/ RX Tone coder/ TX Tone coder.

- 2) Press [#] key to select DCS direction.

TH-UVF9 has 50 groups CTCSS, 104 groups normal/inverted DCS.

CTCSS TONE FREQUENCY (Hz)							
67.0	69.3	71.9	74.4	77.0	79.7		
8.25	85.4	88.5	91.5	94.8	97.4		
100.0	103.5	107.2	110.9	114.8	118.8		
123.0	127.3	131.8	136.5	141.3	146.2		
151.4	156.7	159.8	162.2	165.5	167.9		
171.3	173.8	177.3	179.9	183.5	186.2		
189.9	192.8	196.6	199.5	203.5	206.5		
210.7	218.1	225.7	229.1	233.6	241.8		
250.3	254.1	-	-	-	-		

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