

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

## 6) Reset Mode

Press [ **FUN** ] key and switch the power on to enter Reset mode, then press [ **FUN** ] key to enter.

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	/	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	TOT	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	/	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	/	CTCSS Scanning
32	SEEK D023N	/	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

- 1) Under standby mode, press [  ] to enter menu setting, LCD displays "MENU".
- 2) Press [  ] or [  ] to select the desired menu item, LCD display current setting of selected item.
- 3) Press [  ] to enter and then press [  ] or [  ] to select the desired setting.
- 4) Press [  ] to confirm.
- 5) Press [  ] twice to exit and then return to standby mode.



## SHORTCUT MENU OPERATION

Item No.	Item Name	Enter item	Screen Display	Select parameter	Parameter Explanation	Confirm	Return Standby
1)	Frequency /Channel scan	<b>FUN</b> + <b>1 scan</b>		<b>FUN</b>	Press [ <b>FUN</b> ] or [ <b>↕</b> ] to change scan direction Press [ <b>FUN</b> ] key to start scanning	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
2)	Priority Transmit	<b>FUN</b> + <b>2 pri</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values EDIT / BUSY	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
3)	VOX level setting	<b>FUN</b> + <b>3 vox</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values VOX level: 1~8	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
4)	TX power setting	<b>FUN</b> + <b>4 pw</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values High / Low	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
5)	SQL level setting	<b>FUN</b> + <b>5 sq</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values SQL level: 0~9	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
6)	Dual wait/standby	<b>FUN</b> + <b>6 sw</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values ON / OFF	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
7)	LED display mode	<b>FUN</b> + <b>7 led</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values ON / AUTO / OFF	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
8)	Backlight brightness setting	<b>FUN</b> + <b>8 color</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values COLOR1 / COLOR2 / COLOR3	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
9)	Keypad beeper	<b>FUN</b> + <b>9 beep</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values ON / OFF	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit

Item No.	Item Name	Enter item	Screen Display	Select parameter	Parameter Explanation	Confirm	Return Standby
10)	Automatic Number Identity	<b>FUN</b> + <b>0 ant</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to change scan direction ON / OFF	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
11)	Transmitter time-out timer	<b>FUN</b> + <b>1 scan</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values OFF / 30... / 270s	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
12)	Busy channel lock-out	<b>FUN</b> + <b>1 scan</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values OFF / WAVE / CALL	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
13)	VOX switch	<b>FUN</b> + <b>1 scan</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values ON / OFF	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
14)	Transmit over beeper	<b>FUN</b> + <b>1 scan</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values ON / OFF	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
15)	Dual watch/monitor	<b>FUN</b> + <b>1 scan</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values ON / OFF	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
16)	Receive saver	<b>FUN</b> + <b>1 scan</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values ON / OFF	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
17)	Scan mode	<b>FUN</b> + <b>1 scan</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values TO / CO / SE	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit
18)	Auto keypad lock	<b>FUN</b> + <b>1 scan</b>		<b>FUN</b>	Press [ <b>↔</b> ] or [ <b>↕</b> ] to select available values ON / OFF	<b>FUN</b>	Press [ <b>EXIT</b> ] twice to exit

Item No.	Item Name	Enter item	Screen Display	Select parameter	Parameter Explanation	Confirm	Return Standby
19)	Voice prompt	FUN + 1 scan / 9 beep	VOICE ON	Press [▲] or [▼] to select available values	ON / OFF		Press [EXIT] twice to exit
20)	Power-on display	FUN + 2 Pri / 0 opt	*OPN.SET OFF	Press [▲] or [▼] to select available values	OFF / DC / MSG		Press [EXIT] twice to exit
21)	Battery power voltage	FUN + 2 Pri / 1 scan	*ULT 7.6V	Press [▲] or [▼] to select available values	Show current voltage		Press [EXIT] twice to exit
22)	Power-on message	FUN + 2 Pri / 2 Pri	*PON.MSG	Press [▲] or [▼] to select available values	Edit power-on message		Press [EXIT] twice to exit
23) A.	Repeater shift	FUN + 2 Pri / 3 vox	*OFFSET 2.000	Press [▲] or [▼] to select available values	0.000-99.995MHz		Press [EXIT] twice to exit
B.	Display channel name	FUN + 2 Pri / 4 Pwr	*DIS.NM ON	Press [▲] or [▼] to select available values	ON / OFF		Press [EXIT] twice to exit
24)	Channel name editing	FUN + 2 Pri / 4 Pwr	*CH.NAME	Press [▲] or [▼] to select available values	Input channel name		Press [EXIT] twice to exit
25)	TX/RX tone coder	FUN + 2 Pri / 5 sel	*C-CDC 254.1	Press [▲] or [▼] to select available values	OFF / QT / DCS		Press [EXIT] twice to exit

Item No.	Item Name	Enter item	Screen Display	Select parameter	Parameter Explanation	Confirm	Return Standby
26)	RX tone coder	FUN + 2 Pri / 6 dur	*R-CDC 254.1	Press [▲] or [▼] to select available values	OFF / QT / DCS		Press [EXIT] twice to exit
27)	TX tone coder	FUN + 2 Pri / 7 led	*T-CDC 254.1	Press [▲] or [▼] to select available values	OFF / QT / DCS		Press [EXIT] twice to exit
28)	Shift direction	FUN + 2 Pri / 8 codv	*S-D OFF	Press [▲] or [▼] to select available values	+ / -		Press [EXIT] twice to exit
29)	VFO step	FUN + 2 Pri / 9 beep	*STEP 25K	Press [▲] or [▼] to select available values	5K / 6.25K / 10K...100K		Press [EXIT] twice to exit
30)	Wide/Narrow band	FUN + 3 vox / 0 opt	*N/W WIDE	Press [▲] or [▼] to select available values	Wide/Narrow		Press [EXIT] twice to exit
31)	CTCSS scan	FUN + 3 vox / 1 scan	*SEEK 67.0	Press [▲] or [▼] to change scan direction	Press [FUN] key to start scan		Press [EXIT] twice to exit
32)	DCS scan	FUN + 3 vox / 2 Pri	*SEEK D023N	Press [▲] or [▼] to change scan direction	Press [FUN] key to start scan		Press [EXIT] twice to exit
33)	DALARM	FUN + 3 vox / 3 vox	*DALARM	Press [▲] or [▼] to select available values	ON/OFF		Press [EXIT] twice to exit
34)	VIBRATE	FUN + 3 vox / 4 Pwr	*VIBRATE	Press [▲] or [▼] to select available values	ON/OFF		Press [EXIT] twice to exit
35)	SCR.NO	FUN + 3 vox / 5 sel	*SCR.NO	Press [▲] or [▼] to select available values	1-8		Press [EXIT] twice to exit
36)	APRO	FUN + 3 vox / 6 dur	*APRO	Press [▲] or [▼] to select available values	OFF/COMP/SCRA		Press [EXIT] twice to exit

## DETAILED FUNCTION DESCRIPTIONS

### 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 1<sup>st</sup> and press [ FUN ] key to start scanning.**

When you have started scanning, press [ <img alt="arrow left icon" data-bbox="745 315 765 335"/> ] / [ <img alt="arrow right icon" data-bbox="785 315 805 335"/> ] 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 [ FUN ] 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 17<sup>th</sup> 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 2<sup>nd</sup> 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 13<sup>th</sup> to set VOX switch. Default: OFF.**

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

**Enter Menu 3<sup>rd</sup> 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 4<sup>th</sup> 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 5<sup>th</sup> 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 6<sup>th</sup> to set Dual Wait. Default: ON.**

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

**Function:** select the LED/Keypad Lamp mode.

**Enter Menu 7<sup>th</sup> 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 BrIghtness setting (LIGHT---MENU 8)

**Functions:** choose LED backlight brightness.

**Enter Menu 8<sup>th</sup> 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 9<sup>th</sup> 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 10<sup>th</sup> 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 11<sup>th</sup> 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 12<sup>th</sup> 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 14<sup>th</sup> 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 15<sup>th</sup> 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 16<sup>th</sup> 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 18<sup>th</sup> 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 19<sup>th</sup> 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 20<sup>th</sup> to set OPN.SET. Default: OFF.**

OFF: display model version

DC: battery power voltage

MSG: power-on message

**Enter Menu 21<sup>st</sup> to check battery voltage.**

**Enter Menu 22<sup>nd</sup> 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 23<sup>rd</sup> to set magnitude of the repeater shift.**

Available values: 0.00 ~ 99.95 MHz

**Enter Menu 28<sup>th</sup> 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 23<sup>rd</sup> to switch display channel name ON/OFF.**

**Enter Menu 24<sup>th</sup> to edit channel name, also you can edit it directly by program software.**




Using [  ] / [  ] to select character; [  ] / [  ] 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 25<sup>th</sup>/26<sup>th</sup>/27<sup>th</sup> to set TX&RX Tone coder/ RX Tone coder/ TX Tone coder.**

1) Press [  ] key to select CTCSS/ DCS/ OFF. After you choose CTCSS/ DCS, press [  ] / [  ] key to choose the right group you need.

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	-	-	-	-