DCS CODE						
023	074	172	265	371	503	662
025	114	174	266	411	506	664
026	115	205	271	412	516	703
031	116	212	274	413	523	712
032	122	223	306	423	526	723
036	125	225	311	431	532	731
043	131	226	315	432	546	732
047	132	243	325	445	565	734
050	134	244	331	446	606	743
051	143	245	332	452	612	754
053	145	246	343	454	624	-
054	152	251	346	455	627	-
065	155	252	351	462	631	-
071	156	255	356	464	632	-
072	162	261	364	465	645	-
073	165	263	365	466	654	-

Function 2: TONE Search Scanning

In operating situations where you don't know the CTCSS/DCS tone being used by another station or stations, you can command the radio to listen to the incoming signal and scan in search of the tone being used.

Enter Menu 31st/32nd to start CTCSS/DCS searching.

If the Tone scan feature does not detect a tone or code, it will continue to scan indefinitely. When this happens, it may be that the other station is not sending any tone. You can press **PTT** key to halt the scan at any time.

You also can press **MONI** key during Tone scanning to listen to the (muted) signal from the other station. When you release the **MONI** key, Tone scanning will resume.

Tone Scanning works either in the VFO or MR modes.

Function 3: TONE Calling (1750Hz)

If the repeaters in your country require a 1750Hz burst tone for access (typically in Europe), you can press and hold **CALL** key for 2s and transmitter will automatically be activated, and a 1750Hz audio tone will be superimposed on the carrier. Once access to the repeater has been gained, you may release **CALL** and use **PTT** key for activating the transmitter.

22) VFO Step setting (STEP---MENU 29)

Functions: setting of the synthesizer steps

Enter Menu 29th to set VFO step.

Available Values: 5/6.25/10/12.5/25/50/100 kHz

23) Narrow band (MENU 30)

Functions: setting of narrow bandwidth

Enter Menu 30th to set bandwidth.

Available Values: Narrow—12.5kHz

24) Vibration (Optional) (DALARM—MENU 33)

Functions: The vibration indication helps in working conditions where quiet operation is required.

Enter Menu 33rd to set DALARM. Default: OFF

Under standby mode, when you set this function on, long press [MONI] key for 3S, 60Hz tone will be transmitted, receiveing part will vibrate.

25) Man Donwn (Optional) (VIBRATE—MENU 34)

Functions: This feature qutomatically summons assistance when the radio falls over for a predetermined time period when you set it on and

Enter Menu 34th to set VIBRATE. Default: OFF

26) Voice Mode and Scrambler (SCR&APRO—MENU 35&36)

Functions: only 2/5 tone version has this function.

TH-UVF9 has 8 groups of scrambler; it is accomplished by the addition of components to the original signal in order to make extraction of the original signal difficult. And its voice compand technology will make the voice more clearly in the noise environment.

Enter Menu 35rd to set scrambler group.

**Enter Menu 36th to set voice mode.**

Available Values: OFF/COMP/SCRA

ADVANCED FUNCTIONS

1) PTT ID SETTING

PTT ID (Programmed by TH-UVF9 software)

This transceiver supports two optional signalings, MSK and DTMF. DTMF signaling only supports encoding.

Set transmitting and receiving frequency in advance and then program PTT ID via software, click in sequence: -Program-Optional Features-PTT ID setting. And click the ANI (mark ✓). You can input character in BOT and EOT.
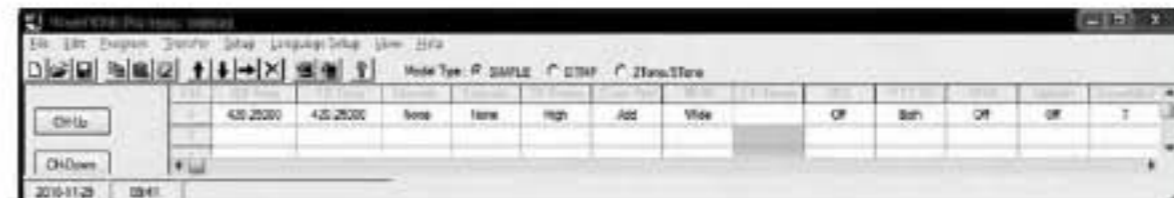
If select MSK, you can choose from 0-9, 4 digits in maximum for BOT; for EOT, you can choose from 0-9 and A-Z, 6 characters in maximum. While select DTMF, for BOT, you can choose from 0 to 9 and A to D, 7 characters in maximum. For EOT, you can choose from 0-9 and A-Z and 7 characters in maximum. You can select "BOT, EOT, or BOTH, then save to the radio.
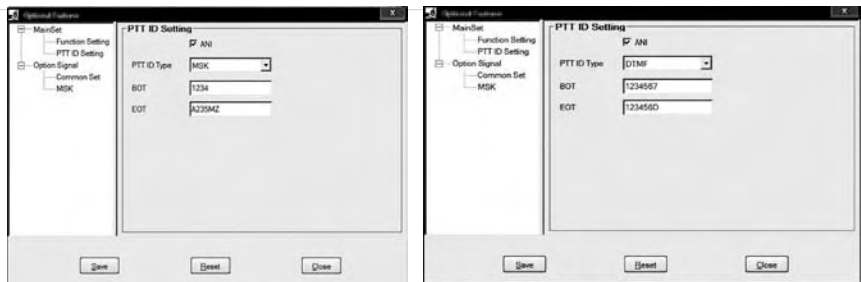
2) EMERGENCY ALERT [FUN] + [FM]

Under standby mode, press [FUN] to enter menu setting, LCD displays
"**MENU**"; then press [FM] to turn on emergency alert function, radio
will transmit emergency ring for 20S and then receive for 10S, until you
press PTT, it will exit.

3) KEYPAD LOCK SETTING

Under standby mode, press [✱lock] for 2S to lock or unlock the keypad,
"○" will be displayed at the top of LCD when keypad is locked.

4) REVERSE FREQUENCY ON/OFF

Under standby mode, press [#] for 2S to turn on or off this function,
"**R**" will be displayed at the top of LCD when you turn on this function.
At this time, radio's transmitting frequency is its receiving one, and its
receiving frequency is its transmitting one.

5) TONE CALLING (1750Hz TONE)

To access a repeater, press and hold in [CALL] key for the amount
of time specified by the repeater. The transmitter will automatically
be activated, and a 1750Hz audio tone will be superimposed on the
carrier. Once access to the repeater has been gained, you may
release [CALL] key and use PTT for activating the transmission.

6) CHANNEL STORAGE AND DELETE

Channel Storage

Under VFO mode, input desired frequency by keypad directly or
select one by pressing [⌃] or [⌄], and then press [FUN] +
[EXIT], the digits blinks at the right top of LCD, press number to
input desired channel directly or press [⌃] or [⌄] to choose
desired one, then press [EXIT] for storage.

Note: after you input desired channel number, if it blinks, it means
that this channel is already occupied, you can choose another
one.

e.g.: to store the frequency: 450.325MHz with CTCSS: 151.4 to the
channel 05, the step are as follows:

1) Under VFO mode, input 4-5-0-3-2-5
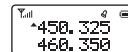
2) Press [FUN] + [2 Pri][5 Sel] or press [FUN] + [★lock], then press
   [FUN] to enter

3) Press [★lock] to choose CTCSS mode, LCD displays C-CDC 67.0

4) Press [▲] or [▼] to choose 154.1, then press [FUN] to confirm

5) Press [EXIT] twice to exit

6) Press [FUN] + [EXIT], the digit blinks at the right top of LCD

7) Press [▲] or [▼] to choose or input 05 directly

8) Press [EXIT] for storage, LCD displays MR mode and currently
   stored channel

Channel delete

1) Under MR or CH mode, press [EXIT] to turn on the radio, LCD
   displays **"DEL ?"** and channel number blinks at the right top of
   LCD.

2) Press [▲] or [▼] or input channel number you want to
   delete, then press [FUN] to confirm

3) After delete, it will skip into next channel, if you want to delete it,
   repeat above operation.
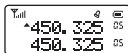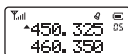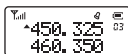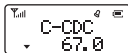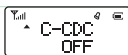
7) FM RADIO FUNCTION

1) On/off radio receiver
   Under standby mode, press [FM] to open FM radio function, LCD
   display "**76.00M**", then press [FM] again, radios receiver is off.
   Note: under FM radio mode, if receiving the signal, the radio will be out
   of FM mode, after 5S, it will be back to FM mode when the signals
   disappear.

2) Mode selection:
   Under FM radio mode, press [EXIT] to switch between FM memory
   mode and FM frequency mode (this function is unavailable when
   there is not FM memory channel)

3) Frequency selecting
   Under FM frequency modae, input the digits directly by keypad or
   press [▲] or [▼] to choose the desired frequency. Under FM
   memory mode, press [▲] or [▼] to choose the desired channel.

4) FM radio search:
   Under FM radio mode, press [FUN] + [1 scan], then press [FUN]
   again to enter FM radio scanning, you will see "**RADIO SEEK.UP**"
   in the screen, press [▲] or [▼] to change scanning direction.
   Radio will stop scanning when frequency is available and then exits.
   If you rotate the encoder knob, it will scan again; press any key

except [🔽] or [🔽] and [A/B] to exit.

5) FM radio storage

Under FM frequency mode, press [FUN] and then press[EXIT],
the channel number for storage blinks at the right of the screen.
press [🔽] or [🔽] or use number key to select the desired
channel number, press [EXIT] to confirm and then back to the
receiving mode.

6) FM radio channel delete:

Under FM memory mode, turn off the radio, press [EXIT] to turn
on the radio, you will see "**DEL ?**" in the screen and the channel
number blinks. press [🔽] or [🔽] to choose the channel
number you want to delete, press [FUN] to confirm. Repeat this
operation, you can delete all memory channel, 25 in maximum.
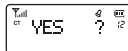
8) WIRE CLONE

Prepare 2sets of TH-UVF9, 1pcs specific wired cloning cable.

Master radio (sending messages when in wired cloning)

Deputy radio (receiving and storing messages when in wired cloning)

Steps of wired clone

1) The deputy radio normally power on. Connect master and deputy
one with the wired cloning cable.

2) Press PTT and [🔽] to turn on the master radio, enter the wired

clone state. The "Clone" will be heard, LCD displays "**CLONE**"

3) Press [MONI] key of the master radio to start wired clone. During
cloning, the master radio displays "**Sending**" and deputy one
displays "**End**". If cloning succeeds, the master radio returns to
the clone preparation state, and it lights orange. it displays "**Error**".
Please check the cloning cable and then press [MONI] to enter
cloning state again.

SAFETYTRAINING INFORMATION

Your TYT ELECTRONICS CO.,LTD radio generates RF electromagnetic energy during transmit mode. This radio is designed for and classified as "Occupational Use Only", meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards. This radio is NOT intended for use by the "General Population" in an uncontrolled environment.

This radio has been tested and complies with the FCC RF exposure limits for "Occupational Use Only". In addition, your TYT ELECTRONICS CO.,LTD radio complies with the following Standards and Guidelines with regard to RF energy and electromagnetic energy levels and evaluation of such levels for exposure to humans:

FCC OET Bulletin 65 Edition 97-01 Supplement C, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

American National Standards Institute (C95.1-1992), IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

American National Standards Institute (C95.3-1992), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields– RF and Microwave.

The following accessories are authorized for use with this product. Use of accessories other than those (listed in the instruction) specified may result in RF exposure levels exceed the FCC requirements for wireless RF exposure.

To ensure that your expose to RF electromagnetic energy is within the FCC allowable limits for occupational use, always adhere to the following guidelines:

DO NOT operate the radio without a proper antenna attached, as this may damaged the radio and may also cause you to exceed FCC RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or antenna specifically authorized by the manufacturer for use with this radio.

DO NOT transmits for more than 50% of total radio use time ("50%duty cycle"). Transmitting more than 50% of the time can cause FCC RF exposure compliance requirements to be exceeded. The radio is transmitting when the "TX indicator" lights red. You can cause the radio to transmit by pressing the "PTT" switch.

ALWAYS keep the antenna at least 2.5 cm (1 inch) away from the body when transmitting and only use the HYT belt-clip which is listed in instructions when attaching the radio to your belt, etc., to ensure FCC RF exposure compliance requirements are not exceeded. To provide the recipients of your transmission the best sound quality, hold the antenna at least 5 cm (2 inches) from your mouth, and slightly off to one side.

The information listed above provides the user with the information needed to make him or her aware of RF exposure, and what to do to as-sure that this radio operates with the FCC RF exposure limits of this radio.

Electromagnetic Interference/Compatibility

During transmissions, your TYT ELECTRONICS CO.,LTD radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. **DO NOT** operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

Occupational/Controlled Use

The radio transmitter is used in situations in which persons are exposed as consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.