

How to operate

In standby, press **MENU** + **SAVE3**, the screen displays 

Press **MENU** to enter, it shows 'ON', press **▲** / **▼** to select turn ON/OFF the power saver function.

Press **MENU** to confirm, and then press **EXIT** to return to standby.

Selecting transmitting power (TXP) --- MENU 4

In frequency mode, press **MENU** + **TXP4**, the screen displays 

Press **MENU** to enter, it shows 'HIGH', press **▲** / **▼** to select HIGH/LOW power, then press **MENU** to confirm, finally press **EXIT** to return to standby.

NOTE

» This transceiver has HIGH and LOW transmitting power selectable:

» The quick switch between the HIGH and LOW transmitting power is temporary. In transmitting mode, press **TDR** key to quick switch the HIGH/LOW transmitting power. Once the transceiver is resumed, the transmitting power reverts to the original output power.

Setting transmitting beginning/ending prompt (ROGER) --- MENU 5

This function is to select the prompt modes when beginning/ending transmitting as followings:

OFF: Press and release PTT key, there is no prompt for either beginning or ending transmitting.

BOT: Press PTT key, there is prompt for the beginning transmitting.

EOT: Release PTT key, there is prompt for the ending transmitting.

BOTH: Press and release PTT key, there is prompt for both beginning/ending transmitting.

In standby, press **MENU** + **ROGER5**, the screen displays 

Press **MENU** to enter, it shows 'OFF', press **▲** / **▼** to select OFF/BOT/EOT/BOTH, then press **MENU** to confirm, finally press **EXIT** to return to standby.

Time-out Timer (TOT) --- MENU 6

This function is to prevent the transceiver from transmitting for too long time. When the transceiver is exceeding the preset time limit, it will stop transmitting with an overtime alarm.

This transceiver can be set in 40 levels with 15 seconds each, between 15 and 600 seconds.

In standby, press **MENU** + **TOT6**, the screen displays 

Press **MENU** to enter, it shows '60', press **▲** / **▼** to select the desired transmitting level, then press **MENU** to confirm, finally press **EXIT** to return to standby.

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Setting VOX (VOX) --- MENU 7

This transceiver will switch to the transmitting mode when detecting the voice signal.

The transmitting operation will somewhat be delayed, and the voice signal information may be not transmitted at the first beginning, since there needs some time for the VOX circuit to detect the voice signal.

In standby, press **MENU** + **VOX7**, the screen displays 

Press **MENU** to enter, it shows 'OFF', press **▲** / **▼** to turn OFF VOX function or select VOX level (1-10), then press **MENU** to confirm, finally press **EXIT** to return to standby.

NOTE

- » The higher level of VOX is set, the higher volume is needed.
- » In SCAN and RADIO modes, the VOX function is not available, but just showing VOX mark on the upper right of the display screen.

Setting wide or narrow bandwidth (WN) --- MENU 8

In standby, press **MENU** + **WN8**, the screen displays 

Press **MENU** to enter, it shows 'WIDE', press **▲** / **▼** to select WIDE/NARROW bandwidth, then press **MENU** to confirm, finally press **EXIT** to return to standby.

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Setting voice guide (VOICE) --- MENU 9

In standby, press **MENU** + **VOICE9**, the screen displays 

Press **MENU** to enter, press **▲** / **▼** to select Chinese, English or OFF, and then press **MENU** key to confirm, finally press **EXIT** to return to standby.

NOTE

- » Please turn off MENU 9 and MENU 11 at the same time to turn off all the voice prompt for this transceiver.

Setting transmitting overtime alarm (TOA) --- MENU 10

This alarm is the pre-alert time when the transmitting time is nearly up to requested transmitting time.

When the time is up, the transceiver sounds out the beep prompt and the LCD keeps flashing.

This transceiver can be set from 1 to 10 TOA level with 1 second each. Level 1 means that the prompt 1 second ahead when the transmitting time is up to the TOT preset time.

In standby, press **MENU** + **STEP1 0**, the screen displays 

Press **MENU** to enter, it shows '5', press **▲** / **▼** to select OFF/1~10 Level, then press **MENU** to confirm, press finally **EXIT** to return to standby.

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Beep prompt function (BEEP) --- MENU 11

Beep prompt function is for the transceiver operating confirmation, error status prompt or faulty condition reminders. We faithfully advise you to keep this function ON, so that you can detect or check the errors and faults in time.

In standby, press **MENU** + **STEP1** **STEP1**, the screen displays 

Press **MENU** to enter, it shows 'ON', press **▲** / **▼** to select turn ON/OFF the beep prompting function, then press **MENU** to confirm, press finally **EXIT** to return to standby.

NOTE

>> When MENU 9 VOICE function and MENU 11 BEEP function are both on at the same time, the VOICE function is prioritized.

Setting power on message (PONMSG) --- MENU 12

This transceiver has 3 display modes selectable for the power on message as follow:

OFF: display the full screen

BATT-V: display the current battery voltage

MSG: display 'WELCOME'

In standby, press **MENU** + **STEP1** **SO2**, the screen displays 

Press **MENU** to enter, it shows 'OFF', press **▲** / **▼** to select OFF/BATT-V/MSG, then press **MENU** to confirm, finally press **EXIT** to return to standby.
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Busy channel lockout (BCL) --- MENU 13

This function is to prevent the interference from the other communicating channels. When the selected channel is occupied by others, press PTT and there will be an alarm prompt for BCL, while release PTT, the alarm prompt disappears and the transceiver will be back to the receiving mode.

In frequency mode, press **MENU** + **STEP1** **SAVE3**, the screen displays 

Press **MENU** to enter, it shows 'OFF', press **▲** / **▼** to select ON/OFF this function, then press **MENU** to confirm, finally press **EXIT** to return to standby.

Setting keypad lock (AUTOLK) --- MENU 14

This transceiver has automatical lock (AUOLK) and manual lock selectable.

ON: When the AUTOLK is on, there are no operations within 15 seconds, the transceiver will be locked automatically. Press **↔#** more than 2 seconds to unlock the keypad.

OFF: The AUTOLK is off, it is only available to lock the keypad manually.

NOTE

>> According to the manual lock, press **↔#** for more than two seconds to lock in standby mode, and press **↔#** for more than two seconds again to unlock it.

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In standby, press **MENU** + **STEP1** **TXP4**, the screen displays 

Press **MENU** to enter, it shows 'OFF', press **▲** / **▼** to select ON/OFF this function, then press **MENU** to confirm, finally press **EXIT** to return to standby.

Setting receiving CTCSS (R-CTCSS) --- MENU 15

Using the CTCSS/DCS can be used for you to receive the specified individual or group calls, and avoid the needless callings from others with the same frequency. Only receiving the same CTCSS/DCS signals, the transceiver can release the squelch.

In frequency mode, press **MENU** + **STEP1** **ROB5**, the screen displays 

Press **MENU** to enter, it shows 'OFF', press **▲** / **▼** to turn OFF this function or select 67.0Hz to 254.1Hz CTCSS code, then press **MENU** to confirm, finally press **EXIT** to return to standby.

NOTE

» This transceiver has 50 groups CTCSS, see appendix (1) CTCSS frequency sheet.

Setting transmitting CTCSS (T-CTCSS) --- MENU 16

In standby, press **MENU** + **STEP1** **TOT6**, the screen displays 

Press **MENU** to enter, it shows 'OFF', press **▲** / **▼** to turn OFF this function or select 67.0Hz to 254.1Hz CTCSS code, then press **MENU** to confirm, finally press **EXIT** to return to standby.

NOTE

» This transceiver has 50 groups CTCSS, see appendix (1) CTCSS frequency sheet.

Setting receiving DCS (R-DCS) --- MENU 17

In frequency mode, press **MENU** + **STEP1** **VOX7**, the screen displays 

Press **MENU** to enter, it shows 'OFF', press **▲** / **▼** to turn OFF this function or select D023N to D754I DCS code, then press **MENU** to confirm, finally press **EXIT** to return to standby.

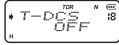
NOTE

» This transceiver has 105 groups DCS, see appendix (2) DCS frequency sheet.

» In DCS selections, DXXXN (from D023N to D754N) means POSITIVE code, while DXXXI (from D023I to D754I) means NEGATIVE code.

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Setting transmitting DCS (T-DCS) --- MENU 18

In standby mode, press **MENU** + **STEP1** **WAVE8**, the screen displays . Press **MENU** to enter, it shows 'OFF', press **▲** / **▼** to turn OFF this function or select D023N to D754I DCS code, then press **MENU** to confirm, finally press **EXIT** to return to standby.

NOTE

- » This transceiver has 105 groups DCS, see appendix (2) DCS frequency sheet.
- » In DCS selections, DXXXN (from D023N to D754N) means POSITIVE code, while DXXXI (from D023I to D754I) means NEGATIVE code.


Setting scan mode (SC-REV) --- MENU 19

This transceiver has three scan modes:

TO: The transceiver continues scanning if there are no any operations 5 seconds after receiving signals.

CO: The transceiver pauses scanning when receiving signals, and continues scanning 3 seconds after the signal disappears.

SE: The transceiver stops scanning when receiving signals.

In standby mode, press **MENU** + **STEP1** **WAVE9**, the screen displays . Press **MENU** to enter, it shows 'TO', press **▲** / **▼** to select TO/CO/SE scan mode, then press **MENU** to confirm, finally press **EXIT** to return to standby.

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Setting SCAN / LAMP / SOS-CH / FM Radio function on side key 1 (PF1) --- MENU 20

There are four functions selectable on the side key 1 of this transceiver:

SCAN: Scan function

LAMP: Lamp function


SOS-CH: SOS function

RADIO: FM radio function

OFF: Disable this side key


1. SCAN function:

In standby mode, press Side key 1 enter to activate scanning (scan mode can be set through MENU 19 -Scan Mode Setting), while press any keys to stop scanning in scan mode.

In standby mode, press **MENU** + **SQL2** **0**, the screen displays . Press **MENU** to enter, press **▲** / **▼** to select SCAN, then press **MENU** to confirm, finally press **EXIT** to return to standby.

2. LAMP function:

In standby mode, press Side key 1 to turn on the Lamp, and press this key again to turn it off.

In standby mode, press **MENU** + **SQL2** **0**, the screen displays . Press **MENU** to enter, press **▲** / **▼** to select LAMP, then press **MENU** to confirm, finally press **EXIT** to return to standby.


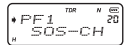
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3. SOS-CH (SOS function):

In emergency, the transceiver transmits the SOS signals to the outside surrounding on the specified Channel or Frequency in Band A or Band B. Meanwhile, the transceiver will sound "wu...wu..." with the green light keeping flashing. It will transmit signals every 5 minutes, lasting for 10 seconds each time. When the carrier signal receives in the SOS transmitting mode, the transceiver will automatically switch into the receiving mode. After the carrier signals disappear, the transceiver switches back to the SOS transmitting mode. Please press any key to exit in the SOS transmitting mode.

NOTE

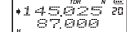
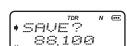
- >> In case the SOS-CH frequency you set is not the master frequency, the transceiver will automatically set the SOS-CH frequency to be the master frequency in the SOS-CH mode. Meanwhile, the master frequency will not restore the settings before the SOS transmitting.
- >> Please press **A/B** key to reset the master frequency.

In standby, press **MENU** + **sq.2** **0**, then screen displays , then press **MENU** to enter, press **▲** / **▼** to choose SOS-CH submenu, the screen displays , press **MENU** again to confirm, press **▲** / **▼** to choose Band A or Band B, then press **MENU** to confirm, the transceiver sounds "wu...wu...", meanwhile the RED/GREEN/FLASHLIGHT keeps flashing, which means SOS-CH function is ON.

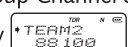
After above settings, switch the transceiver to the standby mode, and press PF1 side key to transmit the SOS signal.

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4. RADIO function:

- **Turning on the FM radio:** In standby mode, press Side key 1 to turn on. The screen displays , then the indicator keeps flashing, which means transceiver is automatically tuning the radio stations. Once the transceiver gets tuned, it stops at this radio station and starts the listening.
- **Tuning the FM radio station:** In radio mode, press **SCAN**, the radio keeps tuning the stations automatically and the green light keeps flashing at the same time until it succeed in searching the available stations. You can press **▲** / **▼** to manually tune the radio stations.
- **Storing radio station:** After detecting a radio station, press **MENU**, the screen displays , and then select one of the number keys between **STEP1** and **CODE9**, the detected radio station will be stored into the chip for your future use.

The transceiver has two groups of storages selectable for your storing, and the default group is the first storage.

E.g. If you want to store 88.1MHz into the 1st group Channel 8, In radio mode, when tuning the desired radio station, press **MENU** + **MEM8** to store it into the 1st storage directly. If you want to store this frequency into the 2nd group Channel 8. In radio mode, when tuning the desired radio station, press **MEM#** then the screen will display . At this time, press **MENU** + **MEM8** to store this station into the 2nd group Channel 8. In radio mode, press 1 to 9 key to select the stored stations accordingly to listen to, while use the **MEM#** key to switch between 1st and 2nd storages.

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- **Exiting from the radio mode:** Press Side key 1 again to exit from the radio mode.

NOTE

- » When the FM radio is working, the current frequency or channel is in standby. Once detecting the receiving signals, the transceiver will automatically switch to receiving/transmitting mode. Five seconds after the signal disappears, the transceiver will switch back to the radio mode.
- » In FM radio mode, press **EXIT** to back to the current standby frequency, and press PTT to transmit. Five seconds after transmission, the transceiver will switch back to the radio mode.

Working mode (CH-MDF) --- MENU 21

This transceiver has two options for the working mode:

1. Frequency mode (FREQ)
2. Channel mode

There are three channel display selections in channel mode as follow:

- ① Channel (CH) ② Frequency + Channel number (CH FREQ) ③ Channel name (NAME)

NOTE

- » It is available to switch between the frequency mode and the channel mode manually or via the programming software. If you want, you can set the password for the mode switch.
- » The password for the mode switch is ONLY available to set via KG-UVD1P programming software.
- » There are 6 characters consist of the password, while "000000" means no password is needed for the mode switch.

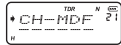
Frequency mode (FREQ) and Channel mode switchable

① Without password input

In standby, press **MENU** + **SQ2** **STEP1**, then press **▲** / **▼** to choose working mode and finally press **MENU** to confirm.

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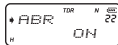
② With password input

Please set the password for the mode switch via KG-UVD1P programming software. This password is consist of 6 charaters from 0 to 9. The valid password should be made up by six digits except "000000". In standby, press **MENU** + **SOL2** **STEP1**, then press **▲** / **▼** to choose one of **FREQ/NAME/CH/CHFREQ**. Press **MENU** to confirm, then the screen will display the password input . Please input the preset password through the keypad, then the transceiver will switch to the selected mode.

NOTE

- » At least one channel is stored ahead into the transceiver, so that the above settings for the mode switch is workable.
- » Quickly switch between the frequency mode and the channel mode(CH).
In standby, press **MENU** + **TDR** key to switch the mode. Without password input, you can switch it directly. Otherwise, you need to input the valid password accordingly.

Setting auto backlight (ABR) --- MENU 22

In standby, press **MENU** + **SOL2** **SOL2**, the screen displays . Press **MENU** to enter, it shows 'ON', press **▲** / **▼** to turn ON/OFF auto backlight function, then press **MENU** to confirm, press **EXIT** return to standby.

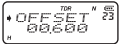
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NOTE

- » When the ABR function is set ON, the backlight will not be activated in transmitting/receiving mode or pressing side key 2. Otherwise, operating on the keypad and the side key 1 will activate the backlight automatically.

Setting offset frequency (OFF-SET) --- MENU 23

Offset frequency means the difference between transmitting frequency and receiving frequency. The range of the offset frequency for this transceiver is from 0 to 69.950MHz.

In standby mode, press **MENU** + **SOL2** **SAVE3**, the screen displays . Press **MENU** to enter, then press **▲** / **▼** to select the listed offset frequency, or manually input through keypad directly. Press **MENU** to confirm, while press **EXIT** return to standby.

In order to transmit and receive in different frequencies, it is necessary to set the offset frequency and the frequency shift direction in the frequency mode.

Please follow the below setting steps:

1. Set the working mode to the frequency mode.
2. Set the frequency shift direction and offset frequency.

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Deleting channel (DEL-CH) ----- MENU 28

In standby mode, press **MENU** + **SQ2** **W8** , the screen displays 

Press **MENU** to enter, and press **▲** / **▼** to select the desired channel, then press **MENU** to confirm, After the channel is deleted successfully, press **EXIT** to return to standby.

Setting reset ---- MENU 29



This transceiver has two selections for the reset operation-VFO reset and ALL reset.

VFO reset means all the functional parameter set in frequency mode resumes to the factory setting.

ALL reset means all the functional parameter set in both frequency mode and channel mode resume to the factory setting.

1. VFO Reset

In standby mode, press **MENU** + **SQ2** **9** , the screen displays 

Press **MENU** to enter, and press **▲** / **▼** to select VFO, then press **MENU** , the screen displays  , press **MENU** again to confirm, and the screen displays  .

After this operation, the transceiver will be resumed automatically.

2. All Reset

In order to avoid the faulty operations, we suggest that you set the password for the ALL Reset via