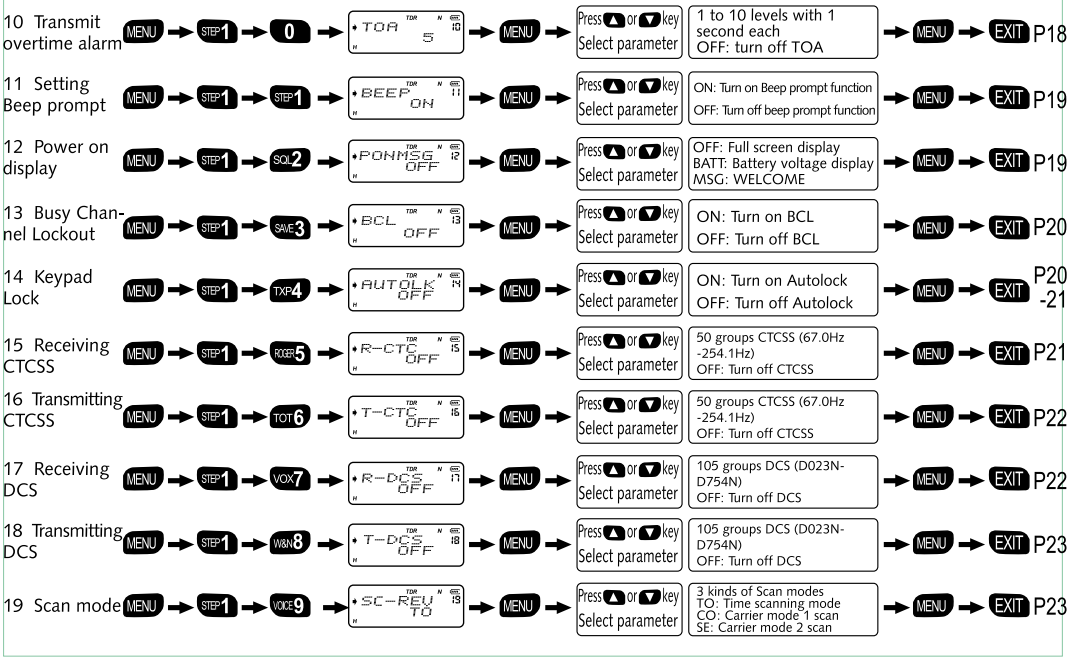
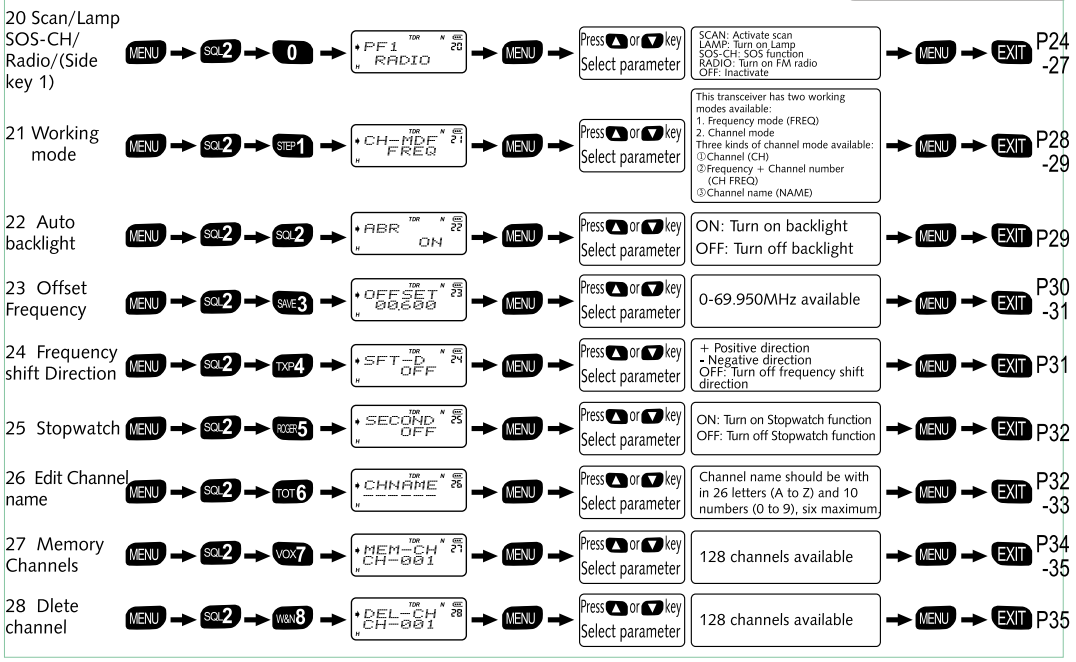
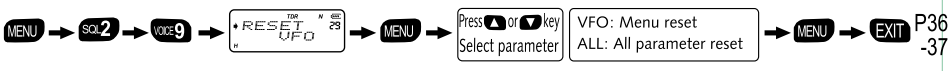
Shortcut operation sheet





Shortcut operation sheet

29 Reset 

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- Speed Search ▲ / ▼ (See page 07)
- SOS-CH (SOS function) (See page 25)
- Priority scan function (See page 38)
- Set Reverse Frequency SCAN* (See page 38)
- Low-battery voice prompt (See page 39)
- Transmit overtime prompt (See page 39)
- Adding scanning channel function (See page 39)
- Wire clone function (See page 40)
- Working with repeater (See page 40-41)

How to operate

Menu Locked function

To avoid operating menu often, you can set Menu Locked function on through the programming software, see the following operation steps:

1. Setting password of switching Channel and frequency mode.
2. Set the working mode as Channel mode
3. Turn off operating menu under channel mode.

When you want to operate Menu functions, input the password you set, then switch to frequency mode.

NOTE ⚠

- This transceiver with dual frequency and dual displaying function, it can display two different RX and TX frequencies at the same time under Frequency mode, while display two different channel frequencies and relative parameters at the same time under Channel mode.
- **Under Frequency/Channel mode,** Band A and B switchable through A/B key, if shows A, all the operating of channel or frequency is on band A, while shows B operating on band B.
- **Under Frequency mode:** the following Nine functions can be set respectively on both Band A and Band B- frequency step, output power, squelch level, channel bandwidth, CTCSS, DCS, Frequency shift direction, Offset frequency, and Channel displaying mode.
- **Under Channel mode:** setting following seven functions on both Band A and B is invalid-Stepping transmit output power, CTCSS, DCS, channel bandwidth, frequency step, frequency shift direction and Offset frequency.

How to operate

Setting Frequency Step (STEP) ----- MENU 1

In standby, press MENU + STEP1 , the screen displays 

Press MENU to enter, it shows '12.50K', press ▲ / ▼ to select the desired step, then press MENU to confirm, press EXIT return to standby.

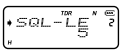
This transceiver has seven frequency steps available: 5.00KHz, 10.00KHz, 12.50KHz, 25.00KHz, 50.00KHz and 100KHz.

Setting Squelch Level (SQL-LE) ----- MENU 2

This function means turn on the squelch when the signal is strong while turn off the squelch when the signal is weak. Set the same codes and turn on the squelch, the device will 'sounds'. Setting the level too high may not receive the weaksignals, while setting too low may receive the noise or other no desired signal.

NOTE ⚠

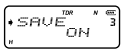
» This transceiver has ten (0 ~ 9) levels available, and 0 means turn on the squelch, from 1 to 9 levels shows different levels of noise reduction.

In standby, press MENU + SQ2 , the screen displays 

Press MENU to enter, it shows '5', press ▲ / ▼ to select the desired squelch level, then press MENU to confirm, press EXIT return to standby.

Setting Battery Save Mode (SAVE) --- MENU 3

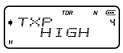
To save battery, this function can turn off the receiver a certain time then turn on to check the signal.

In standby, press MENU + SAVE3 , the screen displays 

Press MENU to enter, it shows 'ON', press ▲ / ▼ to select turn ON/OFF the battery save mode.

press MENU to confirm, then press EXIT return to standby.

Selecting Transmit 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, press EXIT return to standby.

This transceiver has 5W and 1W output power selectable.

Setting Begin/End Transmitting Voice Prompt (ROGER) --- MENU 5

This function means to select transmitting voice prompt way:

OFF: turn off this function, without any voice prompting.

BOT: press PTT, voice prompt when begin transmitting

EOT: release PTT, voice prompt when end transmitting

BOTH: press and release PTT, voice prompt

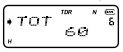
In standby, press MENU + ROGER 5 , the screen displays 

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

Transmit Over Timer (TOT) --- MENU 6

TOT is designed to prevent transmitting the transceivers too long. When operating exceed the preset time, it will stop transmitting and a warning sound can be heard.

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

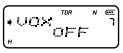
In standby, press MENU + TOT 6 , the screen displays 

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

Setting VOX (VOX) --- MENU 7

When the voice shows, the transceiver will switch to transmit mode automatically.

As the VOX should check the voice, transmitting will be a little delaying, and the beginning voice may not be transmitted.

In standby, press MENU + VOX 7 , the screen displays 

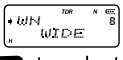
Press MENU to enter, it shows 'OFF', press ▲ / ▼ to turn OFF VOX function or select VOX level (1～10), then press MENU to confirm, press EXIT return to standby.

NOTE

» The higher VOX level the higher volume required.

» This function can not be set under Scan and Radio mode.

Setting Wide or Narrow Bandwidth (WN) --- MENU 8

In standby, press MENU + W/N 8 , the screen displays 

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

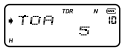
Setting Voice Prompt (VOICE) --- MENU 9

In standby, press MENU + VOICE 9 , the screen displays 

Setting Transmit Overtime Alarm (TOA) --- MENU 10

Turn on TOA function, when your transmission reached the preset TOT (transmit over time), the transceiver will alarm and TX indicator flash.

This transceiver can be set from 1 to 10 TOA level with 1 second each. 1 level means the transceiver prompt 1 second before transmitting reached to TOT.

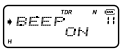
In standby, press MENU + STEP 1 0 , the screen displays 

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

Beep Prompting Function (BEEP) --- MENU 11

Beep prompting function is prompting the confirmed operation, wrong operation or malfunction.

We kindly suggest you to turn on this function to avoid any possible malfunction.

In standby, press MENU + STEP 1 STEP 1 , 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 EXIT return to standby.

NOTE ⚠

» If MENU (9) – Voice prompt function turn on, it will be priority.

Setting Power-on Message (PONMSG) --- MENU 12

The power on message of this transceiver as aollowing:

OFF: Full display

BATT-V: display the current battery voltage

MSG: display 'WELCOME'

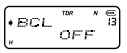
In standby, press MENU + STEP 1 SQL 2 , the screen displays 

Press MENU to enter, it shows 'OFF', press ▲ / ▼ to select OFF/BATT-V/MSG, then press MENU to confirm, press EXIT return to standby.

How to operate

Busy Channel Locked (BCL) --- MENU 13

This function is to prevent the interference of other communicating channels. If the selected channel was occupied, press [PTT], the transceiver can not transmit.

In frequency mode, press MENU + STEP 1 SAVE 3 , the screen displays 

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

Setting Keypad Locked (AUTOLK) --- MENU 14

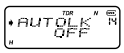
This transceiver has Auto-lock and Manual-lock available.

ON: Turn on keypad locked function, it will locked automatically if without any operation within 15 seconds. Press #⊸ more than 2 seconds to unlock the keypad.

OFF: Turn off auto-locked function.

NOTE

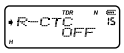
» Manually lock: in standby press #⊸ more than 2 seconds to lock keypad while press #⊸ more than 2 seconds again to unlock.

In standby, press MENU + STEP 1 TXP 4 , the screen displays 

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

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

Setting CTCSS/DCS can ignore the unwanted signals from other members working with the same frequency. Only with the same CTCSS/DCS codes can communicate.

In Frequency mode, press MENU + STEP 1 ROGER 5 , the screen displays 

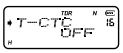
Press MENU to enter, it shows 'OFF', press ▲ / ▼ to turn OFF this function or select 67.0Hz to 254.1Hz CTCSS code, then press MENU to confirm, press EXIT return to standby.

NOTE

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

How to operate

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

In standby, press MENU + STEP 1 TOT 6 , 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, press EXIT return to standby.

NOTE

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

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

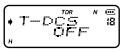
In Frequency mode, press MENU + STEP 1 VOX 7 , the screen displays 

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, press EXIT return to standby.

NOTE

» This transceiver has 105 groups DCS, see appendix (2) DCS frequency sheet. In it DXXXN (between D023N to D754N) means Positive code while DXXXI (between D023I and D754I) means Negative code.

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

In Standby mode, press MENU + STEP 1 W&N 8 , 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, press EXIT return to standby.

NOTE

» This transceiver has 105 groups DCS, see appendix (2) DCS frequency sheet. In it DXXXN (between D023N to D754N) means Positive code while DXXXI (between D023I and D754I) means Negative code.

Setting Scan Mode (SC-REV) --- MENU 19

This transceiver has three scan modes:

TO: When receiving signals, it will go on scanning without any operation within 5 seconds.

CO: It will stop scanning when receiving signals, while go on scanning after signal disappeared 3 seconds.

SE: When receiving signals it will stop scanning.

In Standby mode, press MENU + STEP 1 VOICE 9 , the screen displays 

Press MENU to enter, it shows 'TO', press ▲ / ▼ to select TO/CO/SE scan mode, then press MENU to confirm, press EXIT return to standby.

How to operate

Setting Scan / Lamp / SOS-CH / Radio Function on Side key 1 (PF1) --- MENU 20

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

SCAN: Scan function **LAMP: Lamp function** **SOS-CH: SOS function**

RADIO: FM radio function **OFF: Turn off functions**

1. Scan function:

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

In Standby mode, press MENU + SQL 2 0 , the screen displays 

Press MENU to enter, press ▲ / ▼ to select SCAN, then press MENU to confirm, press EXIT return to standby.

2. LAMP function:

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

In Standby mode, press MENU + SQL 2 0 , the screen displays 

Press MENU to enter, press ▲ / ▼ to select LAMP, then press MENU to confirm, press EXIT return to standby.

3. SOS-CH (SOS function):

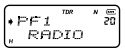
In emergency, it can transmit the "wu…wu…" SOS signals to the outside through the appointed Channel or Frequency in Band A or Band B, meanwhile, the transceiver will sound "wu…wu…" and the light flashes. It will transmit signals every 5 minutes, lasting for 10 seconds each time.

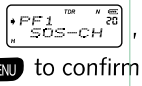
When transmitting SOS signal, press any key to exit.

On the interval of transmitting, if carrier signal appears, it starts receiving, after the carrier signal disappears, the transceiver will go on transmitting SOS-CH (SOS function). Press any key to exit.

NOTE

» SOS-CH function only can use after setting the Channel or Frequency.

In standby, press MENU + SQL 2 0 , then screen displays 

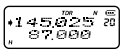
,
then press MENU to enter, press ▲ / ▼ to choose SOS-CH submenu, the screen displays 

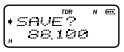
,
press MENU again to confirm, press ▲ / ▼ to choose Band A or Band B, then press MENU to confirm, the transceiver sounds "wu…wu…" , meanwhile the RED/GREEN/FLASHLIGHT flashing, it means set SOS-CH function ON.

Through the above setting, in standby, press PF1 side key, to transmit SOS signal.

How to operate

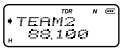
4. **RADIO function:**

- **Turn on the Radio:** In standby mode, press Side key 1 to turn on. The screen displays 

, it will search the radio stations automatically when the green light flashing, and will stop until searched. You can listen the radio.
- **Tune the radio stations:** In Radio mode, press SCAN* , the radio will tune the stations automatically and the green light flashing at the same time, it will stop tuning while searched the station. You can also press ▲ / ▼ to turn the radio stations.
- **Store the radio stations:** When searching the station, press MENU, the screen displays 

, then you can input any number key between STEP 1 and VOICE 9 . The station will be stored into the transceiver's chip, you can listen this station next time.

  The transceiver has two groups radio-channels storable. When storing, the default is on the 1st group storage.

  E.g. if you want to store 88.1MHz into the 1st group Channel 8, just press MENU + W&N 8 . If you want to store this frequency into the 2nd group Channel 8, firstly, you should select the 2nd storage, press #, the screen displays 

, then switch to the 2nd storage, then press MENU + W&N 8 to store into the 2nd group Channel 8.

For the stored station, under the Radio mode, press number key 1 to 9 to listen it. Use # to select the stored stations in 1st and 2nd storage.

- **Exit the Radio:** Press Side key 1 again to exit the radio mode.

NOTE

» When you are listening to the radio, the current frequency or channel still working. Once received signals it will return to the transceiver communicating. After signals disappeared 5 seconds return to Radio mode.

» When you are listening to the radio, press EXIT to check the standby frequency.Press PTT to transmit,5 seconds later it will return to the Radio mode automatically.

How to operate

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

This transceiver has two working modes available:

1. Frequency mode (FREQ)

2. Channel mode

Three kinds of channel mode available:

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

NOTE

» Only input the shift password can change Frequency mode into Channel mode, while change among the three kinds of channel mode without inputting password.

» To set the shift password via KG-UVD1 programming software.

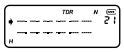
» Set the password with six "0" is invalid (turn off the Shift password function) while set not full of "0" is valid.

Frequency (FREQ) and Channel mode changeable

① **Invalid password**

In standby, press MENU + SQL2 STEP1 , then press ▲ / ▼ to choose working mode press MENU to confirm.

② **Valid password**

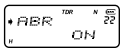
In standby, press MENU + SQL2 STEP1 , then press ▲ / ▼ to choose working mode press MENU to confirm, the screen displays six short line 

Input the password, the transceiver shift to the selective mode.

NOTE

» Channel mode and channel name mode can shift only after stored at least one channel and one named channel.

Setting Auto Backlight (ABR) --- MENU 22

In standby, press MENU + SQL2 SQL2 , the screen displays 

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