Thanks for buying the WOUXUN transceiver.

This transceiver offers latest design, enhanced features, solid performances and easy accessibility. We believe you will be pleased with the high quality and reliable features for all your communication needs.

Warning ⚠

» Please do not use the transceiver when you are in the explosing places (such as gas, dust smoke etc.)

» Please turn off the transceiver while your car is being refueled or parked a the gas station.

User Safety, Training, and General Information

READ THIS IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION BEFORE USING YOUR WOUXUN PORTABLE TWO-WAY RADIO.

Compliance with RF Energy Exposure Standards

Your WOUXUN two-way radio is designed and tested to comply with a number of national and international standards and guidelines (listed below) regarding human exposure to radio frequency electromagnetic energy. This radio complies with the IEEE (FCC) and ICNIRP exposure limits for occupational/controlled RF exposure environment at duty cycles of up to 50% talk-50% listen and should be used for occupational use only. In terms of measuring RF energy for compliance with the FCC exposure guidelines, your radio radiates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

NOTE ⚠

» The approved batteries supplied with this radio are rated for a 5-5-90 duty cycle (5% talk-5% listen-90% standby), even though this radio complies with the FCC occupational RF exposure limits at duty cycles of up to 50% talk.

Your WOUXUN two-way radio Complies with the following of RF energy exposure standards and guidelines:

- United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J
- American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1999 Edition
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998

Operational Instructions and Training Guidelines

To ensure optimal performance and compliance with the occupational/controlled environment RF energy exposure limits in the above standards and guidelines, users should transmit no more than 50% of the time and always adhere to the following procedures:

Transmit and Receive

To transmit (talk), push the Push-To-Talk (PTT) button; to receive, release the PTT button.

Hand-held radio operation

Hold the radio in a vertical position with the microphone 5 cm away from the lips and let the antenna

farther away from your head.

Body-worn operation

Always place the radio in an WOUXUN approved clip, holder, holster, case, or body harness for this product. Use of non- WOUXUN -approved accessories may exceed FCC RF exposure guidelines.

Antennas & Batteries

- Use only WOUXUN approved, supplied antenna or WOUXUN approved replacement antenna.
- Unauthorized antennas, modifications, or attachments could damage the radio and may violate FCC regulations.
- Use only WOUXUN approved, supplied batteries or WOUXUN approved replacement batteries.
- Use of non- WOUXUN -approved batteries may exceed FCC RF exposure guidelines.

Approved Accessories

For a list of WOUXUN approved accessories,see the accessories page of this user manual or visit the following website which lists approved accessories:http://www.wouxun.com

Notices to the User

- Government law prohibits the operation of unlicensed radio transmitters within the territories under government control.
- Illegal operation is punishable by fine or imprisonment or both.
- Refer service to qualified technicians only.

Warning ⚠

» It is important that the operator is aware of and understand hazards common to the operation of any transceiver. Explosive environment(such as gases, dust, fumes, etc). Turn off your transceiver while talking on fuel, or while parked in gasoline service stations.

» If you require this machine to be developed or some changed, pleased connect with WOUXUN or your WOUXUN dealer.

FCC Caution:

This equipment has been tested and found to comply with the part 90 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does

cause harmfu l interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

Measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Licensing Requirements

Your radio must be properly licensed Federal Communications Commission prior to use. Your WOUXUN Wireless dealer can assist you in meeting these requirements. Your dealer will program each radio with your authorized frequencies, signaling codes, etc., and will be there to meet your communications needs as your system expands.

Precautions

Only qualified technicians are allowed to maintain this product.

Do not use the radio or charge a battery in explosive areas such as coal gas, dust, steam, etc.

Switch OFF the radio while refueling or parking at gas station.

Do not modify or adjust this radio without permission.

Do not expose the radio to direct sunlight over a long time, nor place it close to heating source.

Do not place the radio in excessively dusty, humid areas, nor on unstable surfaces.

Safety: It is important that the operator is aware of and understands hazards common to the operation of any radio.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Warning ⚠

» MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

CE Caution:

Hereby, wouxun declares that this Two-way radio is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the DOC may be obtained through the following address.

Address: No.928 Nanhuan Road, Jiangnan High Technology Industry Park, Quanzhou, Fujian 362000, China

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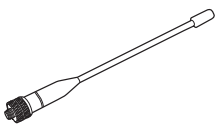
Unpacking and checking of your equipment

Professional FM Transceiver

Carefully unpack the transceiver. We recommend that you identify the items in the following table before discarding the packing material. If any items are missing or have been damaged during shipment, please notify your wouxun dealer.

Supplied accessories


Transceiver


High gain antenna


Li-ion batterypack


Intelligent charger


Beltclip


Handstrap


User's manual


Service card

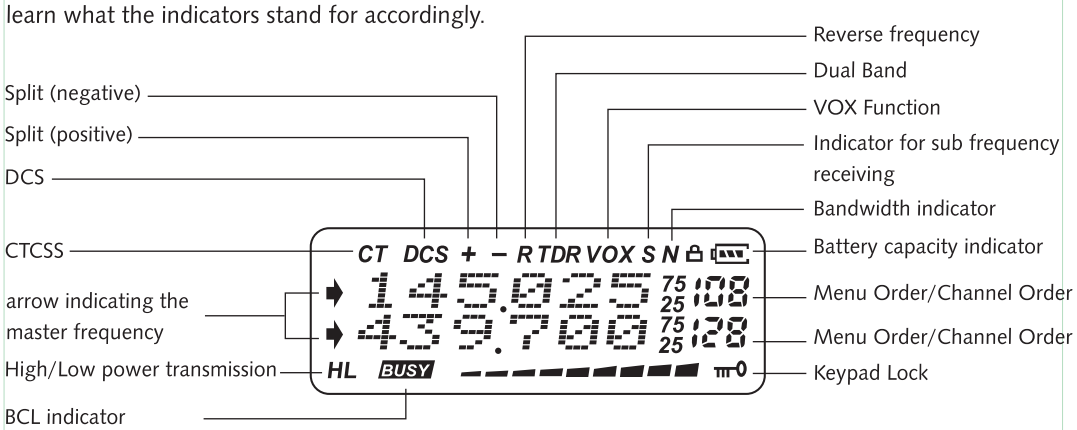
Description of functions

1. Dual Band, Dual Frequency, Dual Display and Dual Standby
2. Frequency Range (can be suitable for different countries or areas):
   136-174MHz & 350-470MHz (Rx / Tx), 136-174MHz & 400-480MHz (Rx / Tx),
   136-174MHz & 420-520MHz (Rx / Tx), 136-174MHz & 400-470MHz (Rx / Tx),
   136-174MHz & 245-250MHz (Rx / Tx), 136-174MHz & 216-280MHz (Rx / Tx),
   136-174MHz & 225-226MHz (Rx / Tx), 144-146MHz & 430-440MHz (Rx / Tx).
   66-88MHz & 400-480MHz (Rx / Tx).
3. Working Mode: U-V, V-V or U-U selectable
4. Channel setting: VHF Tx & UHF Rx or UHF Tx & VHF Rx selectable
5. DTMF encoding
6. Digital FM Radio (76-108MHz)
7. CTCSS/DCS scan
8. Output power: 5W VHF /4W UHF
9. 128 memory channels
10. VOX
11. Stopwatch timer function
12. 105 groups DCS and 50 groups CTCSS
13. Voice guide
14. SOS Function
15. Wide/Narrow bandwidth selection (25KHz / 12.5KHz)
16. Multi-display modes (channel order number/ channel frequency/ channel name selectable)

17. Reverse frequency
18. Multi-functional scan modes
19. Priority scan function
20. Bright flashlight illumination
21. Frequency steps selectable (5/6.25/10/12.5/25KHz/50KHz/100KHz)
22. High/Low power changeable when transmitting
23. High capacity Li-ion batterypack
24. Intelligent charger
25. Offset frequency setting (0-69.950MHz)
26. Frequency shift direction setting
27. Busy channel lockout
28. Power-on message (Battery-V/Full Screen/Other Characters)
29. Low voltage prompt
30. Transmitting beginning/ending prompt
31. Transmitting overtime prompt
32. Keypad lock (Auto / Manual)
33. Adding scanning channel
34. High/Low power switchable when transmitting
35. Programmable by computer
36. Wire-clone function
37. Menu/Channel reset
38. 1750Hz Burst Tone

LCD display

There are various indicators displaying on the screen when powing on. Please refer the below table to learn what the indicators stand for accordingly.



Note:

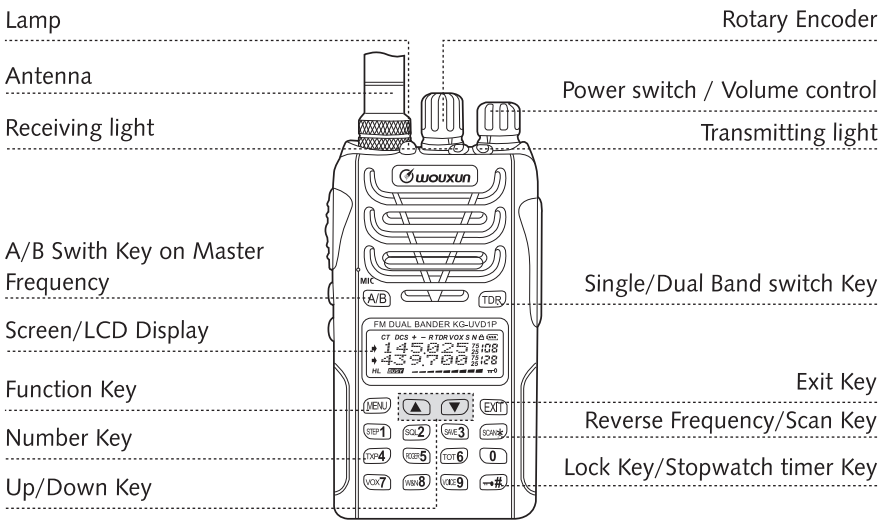
Full indicator for battery capacity

Exhausted indicator for battery capacity

Low indicator for battery capacity

Receiving signal meter

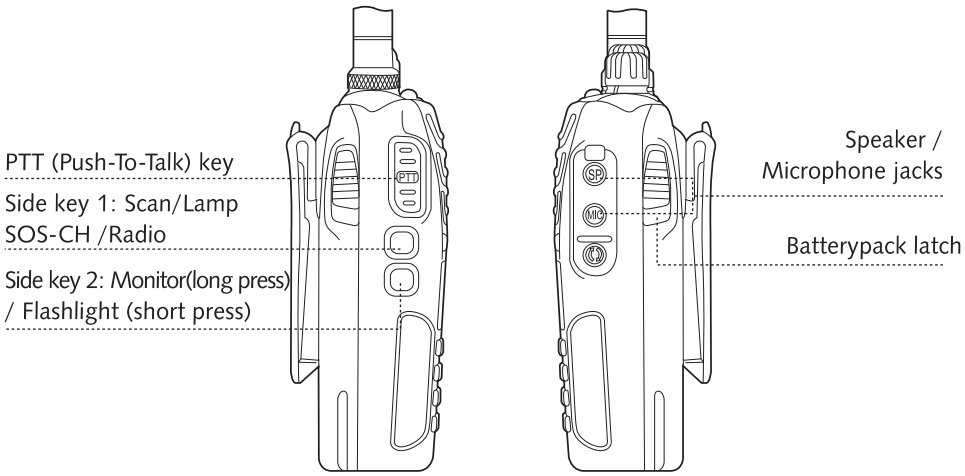
Description of transceiver



Note: Quickly switch the working mode (MENU + TDR)

Quickly resume the transceiver (MENU + A/B)

Getting Started



■ ***Quick Search***

Press ▲ or ▼ key one time to search the desired function or parameter when setting for each function or parameter, while keeping pressing ▲ or ▼ key to quickly search.

■ ***Single/Dual Band Switch***

Press TDR

Single Band ---------- Dual Band

■ ***Quickly resume the transceiver***

In standby, press MENU + A/B , then LCD displays [STEP SURE?] . Press MENU to confirm, and then the transceiver re-starts.

■ ***A/B Switch***

Press A/B to select the master frequency. The frequency with arrowhead mark is the master frequency, while the other frequency without arrowhead mark is the sub frequency. The transceiver can transmit and receive in the master frequency, but ONLY receives in the sub frequency. When it is receiving in the sub frequency, there shows " ***S*** " in the screen.

Getting Started

■ SCAN* *key*

Short press the SCAN* key to set the reverse frequency, while keeping pressing for 2 seconds to active the scan function.

■ ***Side key 2*** (Flashlight/ Monitor selectable)

Short press the side key to turn ON/OFF the flashlight, while keeping pressing for 2 seconds to activate the monitor function.

■ ***1750Hz Burst Tone***

Sometimes, 1750Hz Burst tone is required to carry out some other specific functions. This transceiver has 1750Hz Burst tone to help you.

How to use

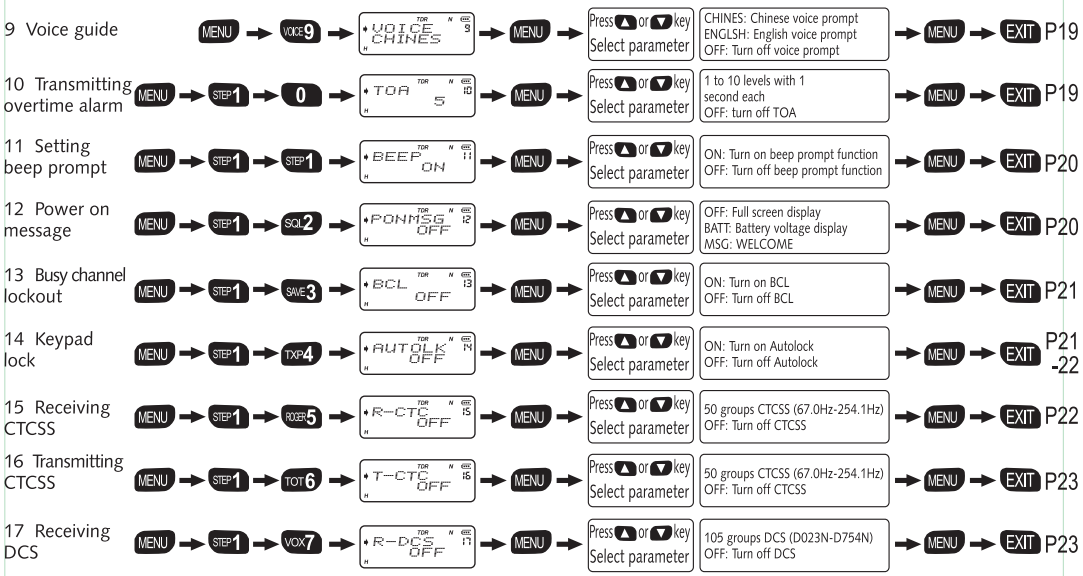
In standby, press PTT key and side key PF1, the transceiver will transmit 1750Hz burst tone. The time keeping pressing PTT key and the side key PF1 determines the 1750Hz burst tone transmitting time. Releasing PTT key and the side key PF1 is to finish transmitting the 1750Hz burst tone.

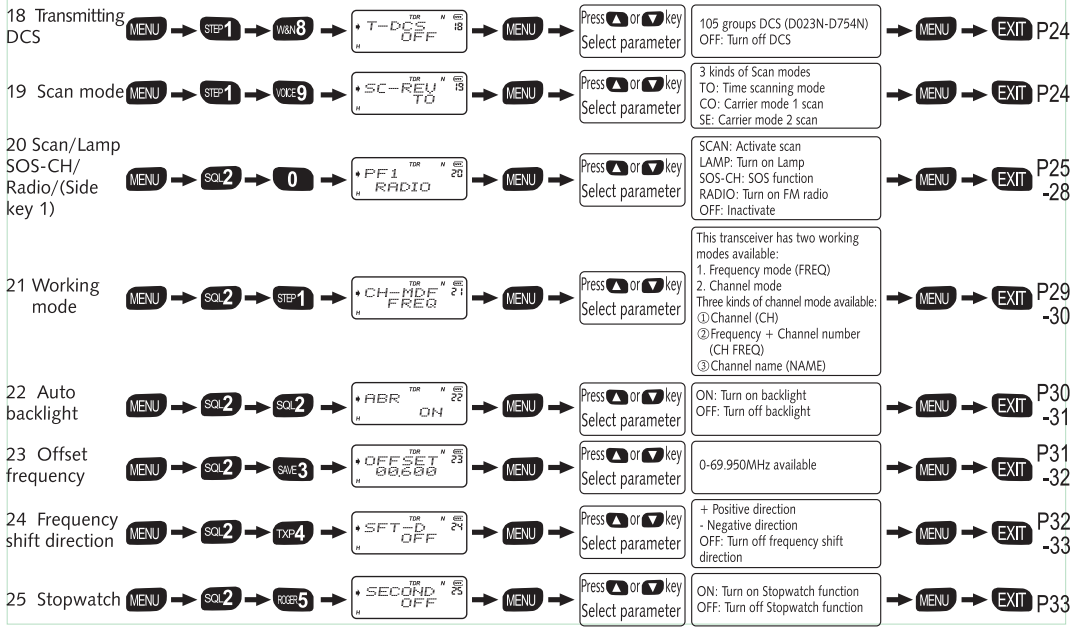
Shortcut operation sheet

WOUXUN Professional FM Transceiver

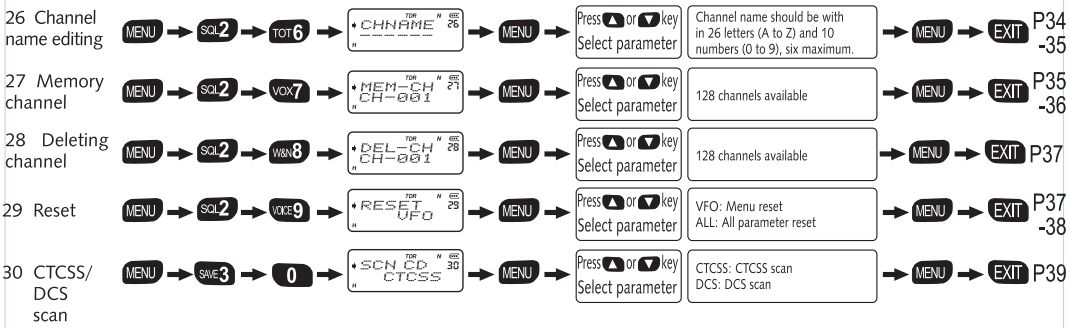
Function order	Function name	Enter function set	Screen display	Select parameter	Selectable parameter explanation	Confirm	Return to standby	See page
1	Setting frequency step	MENU → STEP 1	STEP 12.50K	Press ▲ or ▼ key Select parameter	7 kinds of frequency steps 5K/ 6.25K/10K/12.5K/25K/50K/100K	MENU	EXIT	P14
2	Setting squelch level	MENU → SQL 2	SQL-LE 5	Press ▲ or ▼ key Select parameter	Squelch level from 0 to 9	MENU	EXIT	P15
3	Setting power saver mode	MENU → SAVE 3	SAVE ON	Press ▲ or ▼ key Select parameter	ON: Turn on save function OFF: Turn off save function	MENU	EXIT	P15 -16
4	Selecting transmitting power	MENU → TXP 4	TXP HIGH	Press ▲ or ▼ key Select parameter	H: High power (VHF 5W/UHF 4W) L: Low power (1W)	MENU	EXIT	P16
5	Transmitting beginning/ ending prompt	MENU → ROGER 5	ROGER OFF	Press ▲ or ▼ key Select parameter	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	MENU	EXIT	P17
6	Time-out timer	MENU → TOT 6	TOT 60	Press ▲ or ▼ key Select parameter	TOT has 40 levels in steps of 15 seconds. OFF: Turn off TOT	MENU	EXIT	P17
7	Setting VOX	MENU → VOX 7	VOX OFF	Press ▲ or ▼ key Select parameter	VOX has levels from 1 to 10 OFF: Turn off VOX transmission	MENU	EXIT	P18
8	Setting bandwidth	MENU → W&N 8	WN WIDE	Press ▲ or ▼ key Select parameter	WIDE: 25KHz NARR: 12.5KHz	MENU	EXIT	P18

Shortcut operation sheet





How to operate



- Quick Search ▲ / ▼ (See page 07)
- High/Low power changeable (See page 16)
- DTMF encoding (See page 40)
- Set reverse frequency SCAN* (See page 42)
- Setting transmitting overtime prompt (See page 43)
- Wire-clone function (See page 44)
- Programming guide (See page 46-47)
- 1750Hz Burst Tone (See page 08)
- SOS-CH (SOS function) (See page 26)
- Priority scan function (See page 42)
- Low voltage prompt (See page 43)
- Adding scanning channel function (See page 43)
- Working with repeater (See page 44-45)

How to operate

Menu Lock function

Sometimes if the menu is not need to be operated frequently, you can lock the menu via the programming software. Please see the detailed steps as follow:

1. Set the password to switch between the frequency mode and the channel mode.
2. Set channel mode as the working mode.
3. Turn off operating menu function in the channel mode.

It is programmable to input the password manually and switch to the frequency mode to activate the keypad options if the operating menu is needed.

NOTE ⚠

» In dual standby mode, the screen shows "TDR" . The frequency with arrowhead mark is the master frequency while the other without arrowhead mark is the sub frequency. When the sub frequency is receiving, there shows "s" in the screen. In the dual standby mode, the transceiver ONLY transmits in the master frequency and receives in the sub frequency.

» Master Frequency Setting
In dual standby, press A/B to select the master frequency.

» This transceiver is the dual bander, with dual frequency and dual display functions. In frequency mode, it can display two different receiving/ transmitting frequencies at the same time. In channel mode, it can also display the channel frequency and related parameter in both channels at the same time.

NOTE

» **In frequency/Channel mode,** it is switchable between band A and band B by A/B key, When the A/B indicator shows in band A, all the operations are based on band A. While the indicator shows in band B, all the operations are based on band B.

» **In frequency mode,** it is available to seperately set the frequency step, transmitting power, squelch level, bandwidth, CTCSS, DCS, offset frequency, frequency shift direction and channel display modes in band A or band B.

» **In channel mode,** it is invalid to set frequency step, transmitting power, CTCSS, DCS, bandwidth, offset frequency, and frequency shift direction functions in band A and band B.

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, finally press EXIT to return to standby.

The frequency steps selectable for this transceiver are as follow:

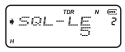
5.00KHz, 6.25KHz, 10.00KHz, 12.50KHz, 25.00KHz, 50.00KHz and 100KHz.

Setting squelch level (SQL-LE) ----- MENU 2

Squelch level is about when the signal is strong enough to turn on the squelch function, and when it is weak enough to turn off the squelch function. When the squelch is on, there is voice from the loudspeaker for all of the signaling set by the transceiver. When the squelch level is set too high, the weaker signals may be missed, while the squelch level is set too low, the transceiver maybe disturbed by some noice or other needless signals.

NOTE

» The squelch level for this transceiver has 0-9 levels selectable, and level 0 is to turn off the squelch function. The higher level the squelch is set, the stronger receiving signal is needed.

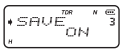
In standby, press MENU + SQL2 , the screen displays 

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

Setting power saver mode (SAVE) --- MENU 3

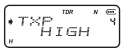
When the power saver function is ON, the receiver ciucuit will be cut off for the moment, and then re-activate to detect the signals for a while, in order to reduce the battery capacity consumption.

How to operate

In standby, press MENU + SAVE 3 , the screen displays 

Press MENU to enter, it shows 'ON', press ▲ / ▼ to select turn ON/OFF the power saver funtion.
Press MENU to confirm, and then press EXIT to return to standby.

Selecting transmitting power (TXP) --- MENU 4

In frequency mode, press MENU + TXP 4 , the screen displays 

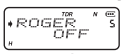
Press MENU to enter, it shows 'HIGH', press ▲ / ▼ to select HIGH/LOW power, then press MENU to confirm, finally press EXIT to return to standby.

NOTE ⚠

» This transceiver has HIGH and LOW transmitting power selectable:
VHF: HIGH: 5W LOW: 1W
UHF: HIGH: 4W LOW: 1W

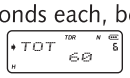
» The quick switch between the HIGH and LOW transmitting power is temporary. In transmitting mode, press TDR key to quick switch the HIGH/LOW transmitting power. Once the transceiver is resumed, the transmitting power reverts to the original output power.

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

This function is to select the prompt modes when beginning/ending transmitting as followings:
OFF: Pressand release PTT key, there is no prompt for either beginning or ending tramsitting.
BOT: Press PTT key, there is prompt for the beginning tramsitting.
EOT: Release PTT key, there is prompt for the ending tramsitting.
BOTH: Press and release PTT key, there is prompt for both beginning/ending tramsitting.
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, 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 + TOT 6 , the screen displays 

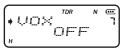
Press MENU to enter, it shows '60', press ▲ / ▼ to select the desired transmitting level, then press MENU to confirm, finally press EXIT to return to standby.

How to operate

Setting VOX (VOX) --- MENU 7

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

The transmitting operation wil 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 

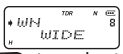
Press MENU to enter, it shows 'OFF', press ▲ / ▼ to turn OFF VOX function or select VOX level (1-10), then press MENU to confirm, finally press EXIT to return to standby.

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 uppor right of the aisplay scrcen.

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

In standby, press MENU + W&N8 , 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.

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.

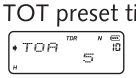
NOTE

» 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.

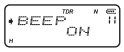
In standby, press MENU + STEP1 0 , the screen displays 

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.

How to operate

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

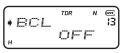
MSG: display 'WELCOME'

In standby, press MENU + STEP1 SQL2 , 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.

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

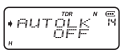
This transceiver has automatical lock (AUOLK) and manual lock selectable.

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 avaiable to lock the keypad manually.

NOTE

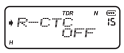
» According to the manual lock, press #⃝ for more than two seconds to lock in standby mode, and press #⃝ for more than two seconds again to unlock it.

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, 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.

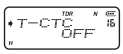
In frequency mode, press MENU + STEP 1 ROGER 5 , the screen displays 

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, 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

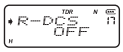
In standby, press MENU + STEP 1 TOT 6 , the screen displays 

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, 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 + 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, finally press EXIT to return to standby.

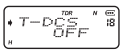
NOTE ⚠

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

» In DCS selections, DNXXX (from DN023 to DN754) means POSITIVE code, while DIXXX (from DI023 to DI754) means NEGATIVE code.

How to operate

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, finally press EXIT to return to standby.

NOTE

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

» In DCS selections, DNXXX (from DN023 to DN754) means POSITIVE code, while DIXXX (from DI023 to DI754) 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 cotinues scanning 3 seconds after the signal disappears.

SE: The transceiver stops scanning when receiving signals.

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, finally press EXIT to return to standby.

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 + SQL 2 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 + SQL 2 0 , the screen displays 

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

How to operate

3. SOS-CH (SOS function):

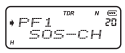
In emergency, the transceiver transmits the SOS signals to the outside surrounding on the specified Channel or Frequency in Band A or Band B. Meanwhile, the transceiver will sound "wu···wu···" with the green light keeping flashing. It will transmit signals every 5 minutes, lasting for 10 seconds each 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 tranceiver 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.

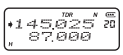
In standby, press MENU + SQL 2 0 , then screen displays 

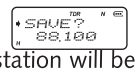
, then press MENU to enter, press ▲ / ▼ to choose SOS-CH submenu, the screen displays 

, 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 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.

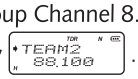
4. RADIO function:

- **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 listenning.
- **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 STEP 1 and VOICE 9 ,the detected radio station will be stored into the chip for your futrue 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 + W&N 8 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 # then the screen will display 

. At this time, press MENU + W&N 8 to store this station into the 2nd group Channel 8.

In radio mode, press 1to 9 key to select the stored stations accordingly to listen to, while use the # key to switch between 1st and 2nd storages.

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

NOTE

» When the FM radio is working, the curent 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 second 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:

①Channel (CH) ②Frequency + Channel number (CH FREQ) ③Channel 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 charaters consist of the password, while "000000" means no password is needed for the mode switch.

Frequency mode (FREQ) and Channel mode switchable

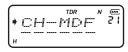
① **Without password input**

In standby, press MENU + SQL 2 STEP 1 , then press ▲ / ▼ to choose working mode and finally press MENU to confirm.

How to operate

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 + SQL2 STEP1, then press ▲ / ▼ to choose one of FREQ/NAME/CH/CHFREQ. Press MENU to confirm, then the screen will display the password input 

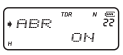
. Please input the preset password through the keypad, then the transceiver will switch to the selected mode.

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 + SQL2 SQL2 , 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.

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 + SQL2 SAVE3 , the screen displays 

Press MENU to enter, then press ▲ / ▼ to select the listed offset frequency, or manually input through key pad 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.

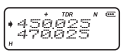
Please follow the below setting steps:

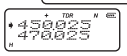
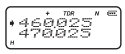
1. Set the working mode to the frequency mode.
2. Set the frequency shift direction and offset frequency.

How to operate

E.g.: In frequency mode, the transceiver needs to work on receiving frequency 450.025MHz and transmitting frequency 460.025MHz.

In Frequency mode, input TXP4 ROGER5 0 0 SQL2 ROGER5 then press MENU + SQL2 + TXP4 + MENU to select positive direction (+), press MENU + EXIT, then press MENU + SQL2 + SAVE3 + MENU + ▲ / ▼ to choose 10.000+ MENU + EXIT, so the frequency shift direction and offset frequency are set.

The screen displays  , press PTT to transmit and the screen displays  .

Release PTT the screen displays  and it means receiving frequency is  while the transmitting frequency is  .

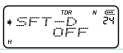
Setting frequency shift direction (SFT-D) ---- MENU24

There are three selections for the frequency shift direction setting:

1.Plus shift (+), which means the transmitting frequency is higher than the receiving frequency.

2. Minus shift (-), which means the transmitting frequency is lower than the receiving frequency.

3. Turn off this function.

In standby mode, press MENU + SQL2 TXP4, the screen displays 

Press MENU to enter, press ▲ / ▼ to select +/-/OFF, then press MENU to confirm, finally press EXIT return to standby.

Setting stopwatch timer (SECOND) --- MENU 25

In standby mode, press MENU + SQL2 ROGER5, the screen displays 

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

Using the stopwatch timer:

When this function is ON, press #⃣ to start counting, while press any key to pause. Press #⃣ again to re-start counting.

NOTE ⚠

» When it pauses counting, press any key (except #⃣ key) to exit from stopwatch timer function.

Channel name editing (CHNAME) --- MENU 26

When editing the channel name, please aware:

1. the valid character should be within 26 letters (A to Z) and 10 numbers (0 to 9).
2. the name should be no more than 6 digits, and from 1 to 6 digits are selectable.
3. when manually editing, "-" means that this digit is blank.

Editing method

1. Via KG-UVD1P programming software.
2. Directly through the keypad manually.

When editing the channel name,

1. store at least one channel into the transceiver ahead.
2. set in the channel mode.
3. press ▲ to select character while press ▼ to select the desired digit.

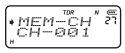
Editing steps

1. Firstly, store into the desired channel into the transceiver. Please refer to the Memory Channel (MEN-CH) MENU27 accordingly.

2. Secondly, go to MENU 21 to select NAME as the working mode.
3. Select the desired channel, press MENU + SQL2 + TOT6 + MENU , the screen displays six '-' cross bar. Press ▲ to select characters and press ▼ , then press ▲ again to select another digits. After finishing editing the desired name, press MENU to confirm, and press EXIT to exit. The screen displays with the edited channel name and there also shows the channel number on the top right corner.

Setting channel memory: Setting Co-Channel and Dis-Channel (MEM-CH) --- MENU 27

In frequency mode and in standby, it is available to store the desired frequencies and relevant paramter into the specified channel.

Input the desired frequency, then press MENU + SQL2 VOX7 , the screen displays 

Press MENU to enter, press ▲ / ▼ to select channel, then press MENU to store, with the voice prompt "receiving memory". Press EXIT to exit, the current channel is co-channel. If you need to store as dis-channel, repeat the above operation on another frequency, then there is another voice prompt "transmitting memory", which means different receiving frequency and transmitting frequency are stored as dis-channel.

E.g.: Store receiving frequency 450.025MHz and transmitting frequency 460.025MHz into CH-20 as dis-channel.

How to operate

1. In frequency mode, input TXP4 ROGER5 0 0 SQL2 ROGER5 + MENU + SQL2 VOX7 + MENU , then press SQL2 0 or ▲ / ▼ to select CH-20, press MENU to confirm, voice prompt for receiving memory, then press EXIT .
2. Input TXP4 TOT6 0 0 SQL2 ROGER5 + MENU + SQL2 VOX7 + MENU + MENU, voice prompt for transmitting memory, then press EXIT .
3. The dis-channel is set.

NOTE ⚠

- The relevant CTCSS/DCS tone with the receiving frequency should be set ahead the receiving memory, so that these settings can be stored into the desired channel with the frequency.
- In transmitting memory, only the spedcified frequency point can be stored.
- If the desired channel has aleady been stored, please delect the channel before the transmittin and receiving memory. Only the desired channel is empty, can both the transmitting and receiving memory be done. Otherwise, only the transmitting memory can be manually programmed.
- Besides the manual memory, it is also available to do the memory channel via the matching programming software.

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

In standby mode, press MENU + SQL2 W&N8 , 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.

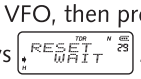
VFO reset means all the functional parameter set in frequency mode resumes to the factory setting.

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 + SQL2 VOICE9 , 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 Rsset via

How to operate

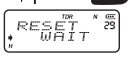
KG-UVD1P programming software. Only input the valid password, the transceiver can be reset to the factory setting completely. Pls see the password setting in the programming software, which is consist of six arabic numerals selectable from 0 to 9.

When the input password is "000000", it means no password is needed to input for this operation.

(1) Setting password as "000000"

In standby, press MENU + SQL 2 VOICE 9 , the screen displays 

Press MENU to enter, and press ▲ / ▼ to select ALL, press MENU , the screen displays 

, then press MENU again to confirm, the screen displays 

.

when the reset is done, the transceiver will be resumed automatically.

(2) Setting password as "XXXXXX" (E.g.: 123456)

In standby, press MENU + SQL 2 VOICE 9 , the screen displays 

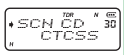
Press MENU to enter, and press ▲ / ▼ to select ALL, press MENU , the screen will displays 

, at this time input the valid password (e.g.: 123456), the screen displays 

, then the transceiver will start resetting. After reset is done, the transceiver will be resumed automatically.

CTCSS/DCS scanning ------ MENU 30

When the transceiver detects the CTCSS/DCS signals from outside, this function can start scanning the CTCSS/DCS frequencies, which has already been set in this transceiver, and stop scaning at the matching CTCSS/DCS frequency with the transmitting CTCSS/DCS frequency.

When the transceiver receives CTCSS/DCSS signal, presss MENU + SAVE 3 0 , the screen displays 

Press MENU to enter, the arrowhead points to "CTCSS". Press ▲ / ▼ select to scan CTCSS or DCS.

And then press MENU to confirm, it starts scanning CTCSS/DCS frequencies.

NOTE ⚠

- This function only works in frequency mode.
- Only when the transceiver detects the CTCSS/DCS signals from outside, this function works.
- Press ▲ /▼ or the Rotary Encoder to change the scanning direction.
- When the transceiver scans to the matching CTCSS/DCS frequency, it stops at this frequency. You can press MENU to temporarily replace this frequency as the current standby frequency. If you want to directly set this scanned frequencyto be current working frequency, please enter into MENU 15/16(CTCSS) or MENU 17/18(DCS) to save separately. Or it will be reset to the original setting before the next scanning.
- Only the band with the arrowhead and detecting the signal can be activated to do next the CTCSS/DCS scanning.

How to operate

DTMF Encoding

MENU , ▲ , ▼ , EXIT keys are respectively corresponding to A, B, C, D at DTMF encoding setting.

Please follow the below steps to activate DTMF manually:

1. Hold on pressing PTT key to transmit.
2. At the same time, press the keys on the keyboard to send out the DTMF tone.

NOTE

» This transceiver will monitor the transmission of corresponding DTMF tone.

Editing/Transmitting ANI ID Code, ANI ID Code transmitting delay and DTMF Sidetone

NOTE

» The above functions in this transceiver only can be edited by our programming software.

Editing ANI ID Code

ANI ID Code can be made up by alphanum (A~D and 0~9) with 6 digits max.

Transmitting ANI ID Code

Turn this function ON means when press PTT key, the ANI ID Code will be transmitted automatically, while turning it OFF means manually transmitting.

ANI ID Code transmitting delay

The delay time for transmitting ANI ID Code means the time which the transceiver is automatically delayed transmitting ANI ID Code.

This delay time can be set 3 seconds max,total 30 levels with 100ms each.

DTMF Sidetone

DTMF sidetone means to turn ON/OFF the speaker when transmitting DTMF code, and get the corresponding DTMF tone.

There are 4 options on setting sidetone:

① Keypad Sidetone:Press keypad to turn on sidetone when transmitting.

② ANI-ID Code Sidetone: Transmit ANI ID Code to turn on sidetone.

③ Key Sidetone+ANI-ID Sidetone: Code to turn press keypad and transmit ANI ID Code can turn on sidetone when transmitting.

④ OFF: In encoding mode, all sidetones are off.

How to operate

Setting priority scan function

If you want to monitor the other frequency and check the certain preferred frequency at the same time, you can set priority scan function.

E.g.: Scan six channels: Set CH1, CH2, CH3, CH4 and CH5 as the common scanned channels, and CH6 as the priority scanned channel. then the scanning order is as followings:

CH1 – CH6 – CH2 – CH6 – CH3 – CH6 – CH4 – CH6 – CH5 – CH6

When this transceiver detects signal on the priority channel when scanning, it will call on its frequency. Please program the priority channel via KG-UVD1P programming software.

Setting reverse frequency function

When using the reverse frequency function, the transmitting and receiving frequencies of this transceiver will be interchanged, together with all settings for CTCSS/DCS and DTMF setting.

How to set the reverse frequency:

In standby mode, press SCAN* to activated this function, while press SCAN* again to switch it off.

In channel mode, if you want to:

1. unlock the menu setting.
2. reset the transceiver.

please program above operations via Wouxun KG-UVD1P programming software.

Low voltage prompt

When the batterypack is in low voltage, there will be voice prompt for the lower voltage, at this time, the backlight flashes one time every five seconds and the transceiver sounds out "click" to remind of being charged timely.

Transmitting overtime prompt

When the transmitting time is exceeding the preset time, there will be an alarm to remind of the overtime transmitting, and the transmitting will be paused. If you want to continue transmitting, please press PTT to resume transmitting. (Please see MENU 15 about the Time-out timer TOT)

Adding scanning channel

NOTE

» Only the added scanning channel can be listed to scan.
» Editing method: Strictly via KG-UVD1P programming software.

How to operate

Wire-clone function

Wire-clone setting	a. Install batterypacks on source radio and target radio and connect them via wire-clone cable. b. And then power target radio on. c. Power on the source radio and hold on the MONI key at the same time. d. Red LED on the source radio flashes, while the green LED on the target radio flashes, it shows the wire cloning is completely proceeding.	Transmitting red LED flashing means transmitting data when wire cloning. Transmitting red LED distinguishes after completing wire-clone, and the transceiver returns to standby. Trasnsmitting red LED lasting flashing means the wire-clone is failed and the transceiver returns to standby mode.
	Target radio	Receiving green LED flashing means receiving data when wire cloning. Receiving green LED extinguishes after completing wire-clone, and the transceiver returns to standby.

Working with Repeater

Most repeaters are working in the Dis-channel mode, which the receving frequency and the transmitting frrequency are offset working. Meanwhile, the frequencies with the repeater working are set with the matching CTCSS/DCS.

There are two working mode setting when prgrogramming the transceiver to work with the repeater:

1. Work with repeater in frequency mode

①Press A/B to choose band A, set the desired transmitting frequency and the matching CTCSS/DCS.

②Press A/B to choose band B, set the desired receiving frequency and the matching CTCSS/DCS.

③Press MENU + TDR , the arrow points at band A,and the setting to work with repeater in frequency mode is done.

2. Work with repeater in channel mode

①Separately set the transmitting and receiving frequencies, together with the matching CTCSS/DCS setting, and store them into the desired channel as the dis-cahnnel memory.

②Set the channel mode as the working mode. Press A/B to set this channel as the current transmitting/ receiving channel, and working with repeater in channel mode is set.

How to use the intelligent charger

1. Insert the AC plug into the power grid socket (AC:90-240V), the indicator on the charger flashes, then the charger is in the charging standby mode.
2. Insert the battery into the charger, the RED LED is on, which means charging is on the progress. When the RED LED turns to GREEN, the charging completes.

NOTE ⚠

» When the exhausted batterypack is inserted into the charger, it will be pre-charged in trickle power with the RED LED flashing until 10-20 minutes later.Then the RED LED in on, the charger enters into the normally charging mode, When the GREEN LED turns on, it is fully charged.

» Charging the exhausted batterypack in trickle power can protect the lithium batterypack better.

Programming guide for KG-UVD1P software (via USB prgramming cable)

a. Download, unzip and install the USB driver according to different operating system.
b. Restart your computer, and it shows the driver is installed successfully.
c. Download and unzip the matching programming software.
d. Connect the trannsceiver and open the software.
e. Power on the transceiver and open the software.
f. Read from the radio to check the connection.
g. Set the parameter and functions accordingly.
h. Write to the radio.

NOTE ⚠

» If you get the message "failed connection" when you try to read from the radio, please check the first five steps and the communication ports accordingly.

» Please note that once the first three steps are done well, the com port will be selected automatically when you open the software. However, according to the different computer settings, the com port may be needed to re-set

» Please determine the port assignment from the device manager of the computer and select the correct communication port, which is available for the connection.

» If the connection is still not OK, please try another cable or another transceiver on another computer to double check. Please refer to the detailed manual or the video guide for KG-UVD1P programming on our wouxun website: http://www.wouxun.com

Trouble shooting

Before the transceiver is regarded as being faulty, please double check according to the main problems as following chart. If the problems are still happening, please reset it to avoid some misfunctional operation, search assistance from the experienced technician or contact your buyer accordingly.

Problem	Solution
The transceiver can not be powered on.	**1.** The battery may be exhausted, pls change the new battery or re-charge it. **2.** The battery was not installed correctly, pls re-install.
The battery life is too short to use.	**1.** The battery life is over, pls change a new battery. **2.** The battery is not fully charge.
The receiving light keeps flashing, but there is no sound coming out.	**1.** Make sure the volume is highest. **2.** Make sure the CTCSS/DCS settings are the same as the transmitting transceiver.
It seems the keyboard does not work.	**1.** Make sure the keypad is locked or not. **2.** Make sure the keys are not stuck.

Problem	Solution
In standby, the transceiver will transmit automatically even the PTT key is not pressed	Make sure VOX function is ON or not, and its level is set too low or not.
Some functions can not be stored normally.	Please confirm if the transceiver is working in channel mode, since some functions are ONLY set in frequency mode via programming software.
There are other disturbed signals or noice(from other groups) in the channel.	Please change the CTCSS/DCS frequencies set in your group.

Appendix 1

CTCSS

1	67.0	11	94.8	21	131.8	31	171.3	41	203.5
2	69.3	12	97.4	22	136.5	32	173.8	42	206.5
3	71.9	13	100.0	23	141.3	33	177.3	43	210.7
4	74.4	14	103.5	24	146.2	34	179.9	44	218.1
5	77.0	15	107.2	25	151.4	35	183.5	45	225.7
6	79.7	16	110.9	26	156.7	36	186.2	46	229.1
7	82.5	17	114.8	27	159.8	37	189.9	47	233.6
8	85.4	18	118.8	28	162.2	38	192.8	48	241.8
9	88.5	19	123.0	29	165.5	39	196.6	49	250.3
10	91.5	20	127.3	30	167.9	40	199.5	50	254.1

Appendix 2

DCS

1	D023N	16	D074N	31	D165N	46	D261N	61	D356N
2	D025N	17	D114N	32	D172N	47	D263N	62	D364N
3	D026N	18	D115N	33	D174N	48	D265N	63	D365N
4	D031N	19	D116N	34	D205N	49	D266N	64	D371N
5	D032N	20	D122N	35	D212N	50	D271N	65	D411N
6	D036N	21	D125N	36	D223N	51	D274N	66	D412N
7	D043N	22	D131N	37	D225N	52	D306N	67	D413N
8	D047N	23	D132N	38	D226N	53	D311N	68	D423N
9	D051N	24	D134N	39	D243N	54	D315N	69	D431N
10	D053N	25	D143N	40	D244N	55	D325N	70	D432N
11	D054N	26	D145N	41	D245N	56	D331N	71	D445N
12	D065N	27	D152N	42	D246N	57	D332N	72	D446N
13	D071N	28	D155N	43	D251N	58	D343N	73	D452N
14	D072N	29	D156N	44	D252N	59	D346N	74	D454N
15	D073N	30	D162N	45	D255N	60	D351N	75	D455N

Technical parameter

DCS

76	D462N	82	D516N	88	D606N	94	D645N	100	D723N
77	D464N	83	D523N	89	D612N	95	D654N	101	D731N
78	D465N	84	D526N	90	D624N	96	D662N	102	D732N
79	D466N	85	D532N	91	D627N	97	D664N	103	D734N
80	D503N	86	D546N	92	D631N	98	D703N	104	D743N
81	D506N	87	D565N	93	D632N	99	D712N	105	D754N

Technical specification

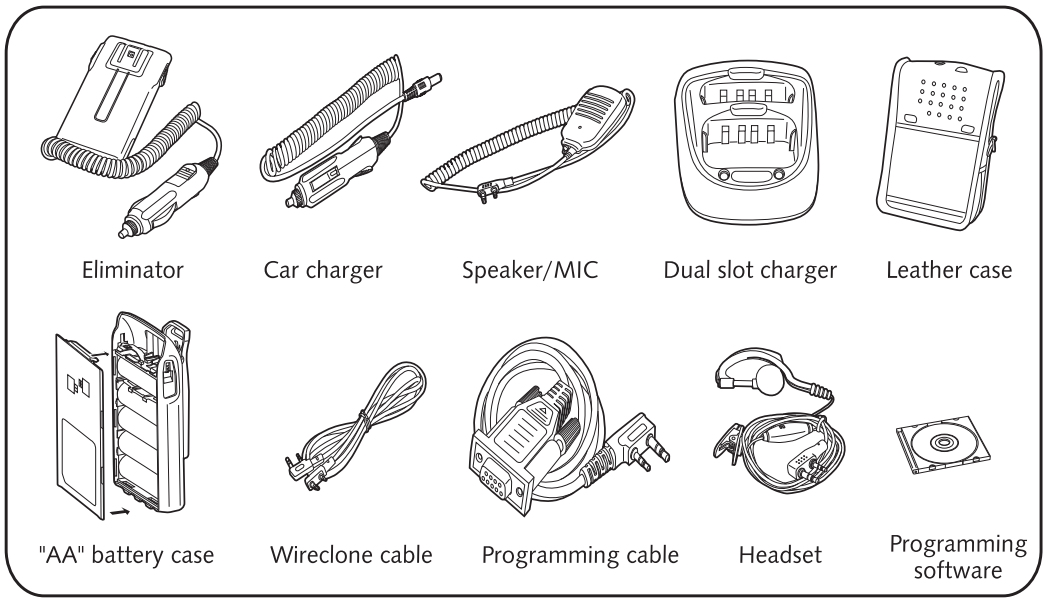
wouxun
Professional FM Transceiver

Frequency Range (can be suitable for different countries or areas):	76-108 MHz (Rx) 136-174MHz & 350-470MHz (Rx / Tx), 136-174MHz & 400-480MHz (Rx / Tx), 136-174MHz & 420-520MHz (Rx / Tx), 136-174MHz & 400-470MHz (Rx / Tx), 136-174MHz & 245-250MHz (Rx / Tx), 136-174MHz & 216-280MHz (Rx / Tx), 136-174MHz & 225-226MHz (Rx / Tx), 144-146MHz & 430-440MHz (Rx / Tx).' 66-88MHz & 400-480MHz (Rx / Tx).
Memory channel	128 channels
Operating Voltage	7.4V
Operating Temperature	-30℃ to + 60℃
Working Mode	Co-channel or Dis-channel simplex
Output Power	VHF: 5W / UHF:4W
Modulation	F3E(FM)
Max. Frequency Deviation	⩽ ±5KHz
Spurious Radiation	< -60dB
Frequency Stability	±2.5 ppm
Receive Sensitivity	< 0.2 μV
Audio Output power	⩾ 500mW
Dimension	58 X 105 X 38 (mm)
Weight	250g

NOTE ⚠

» Specifications is subject to be updated without prior notice.

Optional accessories



Announcement

Professional FM Transceiver

wouxun endeavors to achieve the accuracy and completeness of this manual, but it is still not perfect for any possible omissions or printing errors. All the above is subject to be updated without prior notice.

English Version: 1012-V4

DECLARATION OF CONFORMITY

We, Quanzhou Wouxun Electronics Co.,Ltd,
No.928 Nanhuan Road,Jiangnan High Technology Industry park,Quanzhou,
Fujian 362000,China,

declare that our product:

Product Description: Two-way Radio
Brand: WOUXUN
Model: KG-UVD1P

is in compliance with the essential requirements and other relevant provisions of the R&TTE directive 1999/5/EC and carries the CE mark accordingly.
Supplementary information:
The product complies with the requirements of:

Low Voltage Directive 2006/95/EC
-EN 60950-1: 2006+A11:2009

Efficient use of frequency spectrum
-ETSI EN 301783-1 V1.1.1(2008-09)
-ETSI EN 301783-2 V1.1.1 (2008-09)

EMC Directive 2004/108/EC
-ETSI EN 301 489-1 VI.8.1 (2008-04)
-ETSI EN 301 489-15 V1.2.1 (2002-08)

Date: June 16, 2010
Place: Quanzhou,Fujian,China
Name: Danny Chen
Signature: Danny Chen

Quanzhou Wouxun Electronics Co.,Ltd.
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National model approval certification

wouxun
Professional FM Transceiver

无线电发射设备
Radio Transmission Equipment
型号核准证
Type Approval Certificate

泉州欧讯电子有限公司：

根据《中华人民共和国无线电管理
In accordance with the provisions on the Radio
条例》，经审查，下列无线电发射设备
Regulations of the People's Republic of China , the following
符合中华人民共和国无线电管理规定和
radio transmission equipment , after examination , conforms
技术标准，其核准代码为：CMIIT ID: 2009FP5789
to the provisions with its CMIIT ID:

有效期：五年
Validity

（发证机关）
Sealed by issuing authority
2009年12月24日
Year Month Date

编号：2009-5789
Number

设备名称：调频手持台
Equipment Name

设备型号：KG-UVD1P
Equipment Type

主要功能：话音通信
Main Functions

调制方式：FM
Modulation Mode

主要技术参数及其指标值：
Main Technical Parameters

频率范围：138-167MHz 403-404.5MHz 410-420MHz 450-470MHz
Frequency Range

频率容限：≤15ppm ≤7ppm
Frequency Tolerance

发射功率：≤5W
Transmitting Power

占用带宽：≤16kHz
Occupied Bandwidth

杂散发射限值：≤7.5μW
Spurious Emission Limits

（核发机构章）
Sealed by issuing authority
2009年12月24日
Year Month Date

1st National Approval Certification for Dual Band Two Way Radio
KG-UVD1P Approval Code: CMIIT ID: 2009FP5789