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.

READ THIS IMPORTANT INFORMATION ON THE SAFE AND EFFICIENT OPERATION BEFORE USING Wouxun PORTABLE TRANSCEIVER. This manual is ONLY suitable for KG-UV6D.
User Safety, Training, and General Information
READ THIS IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION BEFORE USING YOUR OLYMPUS PORTABLE TWO-WAY RADIO.

Compliance with RF Energy Exposure Standards
Your OLYMPUS 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 OLYMPUS two-way radio Complies with the following of RF energy exposure standards and guidelines:

- 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](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 parking in gasoline service stations.
- If you require this machine to be developed or get some changes, pleased contact 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 the equipment is not installed and used in accordance with the instructions, it 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 harmful 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 a 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 heat 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 RADIO TELEPHONE 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 the Equipment

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

Supplied Accessories

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<td>![Beltclip]</td>
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<td>Handstrap</td>
<td>![Handstrap]</td>
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<tr>
<td>User's manual</td>
<td>![User's manual]</td>
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<tr>
<td>Warranty card</td>
<td>![Warranty card]</td>
</tr>
</tbody>
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Description of Functions

1. Dual Band, Dual Frequency, Dual Display and Dual Standby
2. Frequency Range (suitable for different countries or areas):
   - 136-174MHz & 216-280MHz (Rx / Tx), 136-174MHz & 350-470MHz (Rx / Tx),
   - 136-174MHz & 400-480MHz (Rx / Tx), 136-174MHz & 420-520MHz (Rx / Tx),
   - 144-146MHz & 430-440MHz (Rx / Tx), 144-148MHz & 222-225MHz (Rx / Tx),
   - 66-88MHz & 136-174MHz (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: VHF(5W/4W)/UHF(4W/1W)
9. 199 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 number/ channel frequency/ channel name selectable)
17. Reverse frequency

18. Multi-functional scan modes
19. Priority scan function
20. Bright flash light illumination
21. Frequency steps selectable (2.5/5/6.25/10/12.5/25/50/100KHz)
22. High/Low power changeable when transmitting
23. 1700mAH High capacity Li-ion batterypack
24. Intelligent charger
25. Offset frequency setting (0-69.975MHz)
26. Frequency shift direction setting
27. Busy channel lockout
28. Power-on message display (Battery-V/Full Screen/Other Characters)
29. Low voltage prompt
30. Begin/End transmitting prompt
31. Transmitting overtime prompt
32. Keypad lock (Auto / Manual)
33. Adding scanning channel
34. Programmable by computer
35. Wire-clone function
36. Menu/Channel reset
37. 1750Hz burst tone
38. IP55 waterproof
**Getting Started**

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

- Reverse frequency
- Dual Standby
- VOX Function
- Indicator for sub frequency receiving
- Bandwidth indicator
- Battery capacity indicator
- Menu Order/Channel Order
- Keypad Lock

**Note:**
- Full Battery Capacity Indicator
- Low Battery Capacity Indicator
- Exhausted Battery Capacity Indicator
- Receiving signal meter

---

**Description of Transceiver**

- Flashlight
- Rotary Encoder
- Antenna
- Power Switch/Volume Control
- Receiving Light
- Transmitting Light
- Multifunctional Key
- A/B Switch Key on Master Frequency
- Screen/LCD Display
- Single/Dual Band Switch Key
- Function Key
- Reverse Frequency/Scan Key
- Number Key
- Lock/Stopwatch Timer Key
- Up/Down Key

**Note:**
- Quickly switch the working mode (MENU + UP)
- Quickly reboot the transceiver (MENU + OK)
Quick Search

- Short Press ◀ or ▶ key to search the desired function/parameter during your setting, while long press to quick search.

Single/Dual Band Switch

- Press [A/B]
  
  Single Band -------- Dual Band

Quick Reboot the Transceiver

- In standby, press [FUNC] + [A/B], then LCD displays [STOP]. Press [FUNC] to confirm, and then the transceiver re-starts.

Working Mode Switch

- In standby, press [FUNCTION] + [A/B] to switch between Channel/Memory and Frequency/VFO working mode.

A/B Switch Key on Master Frequency

- Press [A/B] to select the master frequency. The frequency with arrowhead icon is the master frequency, while the other frequency without arrowhead icon 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" on the screen.
**Getting Started**

- **Key**
  Short press the key to activate/inactivate the reverse frequency function, while keeping pressing for 2 seconds to activate 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.

- **RPT Multifunctional Key**
  In standby, press RPT to activate the desired functions which are defined through the MENU 21, including FM Radio, Working mode switch, RPT(+/- offset, OFF, +/- R.R), Stopwatch timer, Lamp, SOS function, and OFF to undefine this key.

- **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 to transmit 1750Hz burst tone. The transmitting time depends on how long you press this combination keys, while releasing to stop transmitting the 1750Hz burst tone.
**Shortcut Operation Sheet**

26 Stopwatch Timer

27 Channel Name Edit

28 Channel Memory

29 Channel Delete

30 Reset

31 SOS Band Selection

32 CTCSS/DCS Scan

- Quick Search / (See page 07)
- High/Low power changeable (See page 16)
- DTMF encoding (See page 44)
- Reverse frequency (See page 46)
- Transmitting overtime prompt (See page 47)
- Wire-clone function (See page 48)
- Programming guide (See page 52)

- 1750Hz burst tone (See page 08)
- SOS-CH (SOS function) (See page 26)
- Priority scan function (See page 46)
- Low voltage prompt (See page 47)
- Adding scanning channel function (See page 47)
- Working with repeater (See page 48-51)

---

**How to Operate**

**Active/Inactive MENU Function**

If you don’t operate the transceiver frequently, you can inactivate the MENU function via matching software. Hereby follow the detailed setting method.

1. Set channel mode as the working mode.
2. Uncheck ‘MENU AVAILABLE’ in Channel Mode column.

If you want to operate menu function, you can switch to Frequency Mode, or put a tick before ‘MENU Available’ in Channel Mode column of the matching software.

**NOTE**

- In dual standby, the screen shows ‘TDR’. The frequency with an arrowhead icon is the master frequency, while the other one is the sub frequency. When receiving in sub frequency, the screen shows ‘S’. In dual standby, it can transmit/receive in master frequency but only receives in sub frequency.
- **Master Frequency Selection**, in standby, press to select the desired 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.
How to Operate

NOTE

 Guill 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.

 Guill In frequency mode, it is available to separately 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.

 Guill 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.

Step Frequency (STEP) ----- MENU 1
In standby, press MIN + EXIT, the screen displays "STEP).
Press MIN to enter, it shows ‘12.50K’, press ▲ / ♫ to select the desired step, then press MIN to confirm, finally press EXIT to return to standby.
The frequency steps selectable for this transceiver are as follows:
2.5KHz, 5.00KHz, 6.25KHz, 10.00KHz, 12.50KHz, 25.00KHz, 50.00KHz and 100KHz.

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. You may hear the voice from the loudspeaker when turning ON the squelch and receiving the same signal from other transceivers. Higher level makes it harder to receive the weak signals, while lower level will be interfered by noises and/or unwanted signals.

NOTE

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

In standby, press MIN + 992, the screen displays "SQL-LE".
Press MIN to enter, it shows ‘5’, press ▲ / ♫ to select the desired squelch level, then press MIN to confirm, finally press EXIT to return to standby.

Power Saver Mode (SAVE) --- MENU 3
When the power saver function is ON, the receiver circuit will be cut off for a 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** + **INC3**, the screen displays 

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

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

**Transmitting Power Selection (TXP) --- MENU 4**

In frequency mode, press **MENU** + **INC4**, the screen displays 

Press **MENU** to enter, it shows 'HIGH', press **A** / **V** 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 **SD** key to quick switch the HIGH/LOW transmitting power. Once the transceiver is rebooted, the transmitting power reverts to the original output power.

---

**Begin/End Transmitting Prompt (ROGER) --- MENU 5**

This function is to select the prompt modes when beginning/ending transmitting.

OFF: No voice prompt when beginning or ending of transmission.

BOT: Voice prompt when pressing PTT (beginning of transmission).

EOT: Voice prompt when releasing PTT (ending of transmission).

BOTH: Voice prompt when pressing and releasing PTT (begin and end of transmission).

In standby, press **MENU** + **INC5**, the screen displays 

Press **MENU** to enter, it shows 'OFF', press **A** / **V** 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 long time transmitting. 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** + **INC6**, the screen displays 

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

**VOX (VOX) --- MENU 7**

This function means the transceiver will switch to the transmitting mode when detecting the voice signal. As the VOX circuit must check the existing signals, the transmitting will be a little delay, and the beginning transmission may not be transmitted completely.

In standby, press **MENU + VOX**, the screen displays $\text{OFF}$.

Press **MENU** to enter, it shows ‘OFF’, press $\uparrow$ / $\downarrow$ 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.

**Bandwidth Selection (WN) --- MENU 8**

In standby, press **MENU + WN**, the screen displays $\text{WIDE}$.

Press **MENU** to enter, it shows ‘WIDE’, press $\uparrow$ / $\downarrow$ to select WIDE/NARROW bandwidth, then press **MENU** to confirm, finally press **EXIT** to return to standby.

**Voice Guide (VOICE) --- MENU 9**

This transceiver has English (ENGLISH) and Chinese (CHINES) voice guide available.

In standby, press **MENU + VOICE**, the screen displays $\text{ENGLISH}$.

Press **MENU** to enter, press $\uparrow$ / $\downarrow$ to select Chinese, English or OFF, and then press **MENU** key to confirm, finally press **EXIT** to return to standby.

**NOTE**

- Turn off MENU 9 and MENU 11 at the same time to turn off all the voice prompt if required.

**Transmitting Overtime Alarm (TOA) --- MENU 10**

This TOA means the transceiver's transmitting light will flash and alarm ‘OVER TIME’ before the transmitting time reached the pre-set transmitting time (TOT).

This transceiver has 1-10 TOA level available, each level 1 second. E.g level 1 means the transceiver will alarm and transmitting light will flash before 1 second when the transmitting time reached pre-set TOT time.

In standby, press **MENU + TOA** to enter, press **0** to select OFF/1~10 Level, then press **MENU** to confirm, finally press **EXIT** to return to standby.
How to Operate

Beep Prompt Function (BEEP) --- MENU 11
Beep prompt function means the transceiver will prompt if it is in confirmed, wrong or problematic operating.
In standby, press WHT + VERT + UP, the screen displays BEEP ON
Press ENT to enter, it shows ‘ON’, press ▲ / ▼ to turn ON/OFF the beep prompt function, then press ENT to confirm, finally press 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.

Power-on Message (PONMSG) --- MENU 12
This transceiver has 3 display modes selectable for the power on message as follows:
OFF: display the full screen
BATT-V: display the current battery voltage
MSG: display ‘WELCOME’ or other characters
In standby, press WHT + VERT + MISC, the screen displays PONMSG OFF
Press ENT to enter, it shows ‘OFF’, press ▲ / ▼ to select OFF/BATT-V/MSG, then press ENT to confirm, finally press EXIT to return to standby.

NOTE
- You can edit the desired Power-on Message via KG-UV6D programming software. It is composed of 6 digits max, including letters A to Z, numbers 0-9 and other characters.

Busy Channel Lockout (BCL) --- MENU 13
This function means to prevent the transceiver from interfering other communicating channels, if the selected channel is occupied, press PTT, the transceiver will alarm and cannot transmit.
In frequency mode, press WHT + VERT + MISC, the screen displays BCL OFF
Press ENT to enter, it shows ‘OFF’, press ▲ / ▼ to select ON/OFF this function, then press ENT to confirm, finally press EXIT to return to standby.
**How to Operate**

**Keypad Lock (AUTOLK) --- MENU 14**
This transceiver has automatic lock (AUTOLK) and manual lock selectable.  
**ON:** Turn on automatic lock function. If no operation is conducted within 15 seconds, it will be locked automatically. Keep pressing longer than 2 seconds to unlock.  
**OFF:** Turn off automatic lock function. If required, lock the keypad manually.

**NOTE**
-Manually Lock: In standby, keep pressing longer than 2 seconds to lock the transceiver, and press again to unlock.

In standby, press +, 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.

**Receiving CTCSS (R-CTCSS) --- MENU 15**
Setting this function, you can communicate with the specific individuals or groups and neglect the unwanted callings from other users who set the same frequencies with you. The transceivers can communicate ONLY after receiving the corresponding CTCSS/DCS tone.

In frequency mode, press +, 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.

**Transmitting CTCSS (T-CTCSS) --- MENU 16**
In standby, press +, 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.

**Receiving DCS (R-DCS) --- MENU 17**
In frequency mode, press +, the screen displays

Press **menu** to enter, it shows 'OFF', press / to turn OFF this function or select D023N to D754 DCS code, then press **menu** to confirm, finally press **exit** to return to standby.
How to Operate

NOTE

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

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

In standby, press **[** + **** or **[** + ****, the screen displays  
Press **[** to enter, it shows ‘OFF’, press  or  to turn OFF this function or select D023N to D754I DCS code, then press **[** to confirm, finally press **[** to return to standby.

NOTE

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

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

TO: Scanning will go on if no operation is conducted to the transceiver within 5 seconds after receiving signals.
CO: Scanning will stop when the transceiver received signals, and it will go on scanning after signals disappeared for 3 seconds.
SE: Scanning will stop when the transceiver received signals.

Scan/Lamp/SOS-CH/FM Radio 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, press **[** + **** or **[** + ****, the screen displays  
   - Press **[** to enter, press  or  to select SCAN, then press **[** to confirm, finally press **[** to return to standby.

2. LAMP function:
   - In standby, press side key 1 to turn on the Lamp, and press this key again to turn it off.
   - In standby, press **[** + **** or **[** + ****, the screen displays  

How to operate

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

3. SOS-CH (SOS function):

When you are in emergency circumstances, press side key 1 to transmit the 'wu wu...' SOS signals to the outside for help. Meanwhile, the transceiver will also sound 'wu wu...' with light flash. It will transmit the SOS signals every 5 minutes with 10 seconds each time. If the transceiver receives signals during the transmission of SOS, it will return to the receiving mode, after the signals disappeared, back to SOS transmitting function. Press any key to exit.

NOTE

- The transceiver will automatically set the SOS-CH in the master frequency even the SOS-CH you set is not the master frequency.
- You can press to re-select the master frequency.
- You can set the SOS Band via MENU 31.

In standby, press MENU + then screen displays , then press MENU to enter, press / to choose SOS-CH submenu, the screen displays , press / to choose Band A or Band B, then press MENU to confirm. After the above setting, in standby, press side key 1 to activate SOS function.

4. RADIO function:

- **Turning on the FM radio:** In standby, press side key 1 to turn on. The screen displays and the green light flashes, it means the transceiver is searching the radio station, it will stop flashing after any signal is searched. Then you can listen to the radio.
- **Tuning the FM radio station:** In radio mode, press , the radio keeps tuning the stations automatically and the green light flashing until it searched the available stations. You can press / to fine-tune the searched stations.
- **Storing radio station:** After detecting a radio station, press MENU, the screen displays , you can press one of the number keys between and to save this radio station 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 then 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 to store this station into the 2nd group Channel 8.
**How to Operate**

In radio mode, press 1 to 9 key to select the stored stations accordingly to listen, 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 you are listening to radio, the current channels are still working (in standby). Once receiving the signals, it will return to the transceiver's communicating mode. After signals disappeared 5 seconds it will return to the Radio mode automatically.
- In radio mode, you can press to check the current standby channel/frequency. Press PTT to transmit, after 5 seconds, it will go back to the Radio mode.

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**FM Radio/Working Mode/RPT/Stopwatch Timer/Lamp/Alarm (PF2) --- MENU 21**

This RPT (PF2) key with 6 functions available.

1. **RPT: Multifunctional Key**

   In standby, short press to activate the corresponding functions circularly. These functions are +R (+ shift direction & reverse frequency), -R (- shift direction & reverse frequency), R (reverse frequency), + (+ shift direction), - (- shift direction), and OFF (inactivate this key).

   In standby, press and , the screen shows , press to enter, then press / to select RPT, and then press to confirm, press to turn to standby mode.

   Please refer to MENU 24/25 to set the Offset Frequency and Frequency Shift Direction functions.

   **NOTE**

   - This functions only available in Frequency mode. If the frequency range is out of the range of +R and -R, the Reverse function is invalid.

2. **SECOND: Stopwatch Timer Function**

   In standby, short press to activate the stopwatch timer function.
**How to Operate**

In standby, press \[ MENU \] + \[ TALK \] \[ NEXT \], the screen shows \[ \text{RPT} \], press \[ MENU \] to enter, then press \[ \text{UP} \] / \[ \text{DOWN} \] to select \[ \text{SECOND} \], the screen shows \[ \text{SECOND} \], press \[ MENU \] to confirm, and then press \[ EXIT \] to turn to standby mode.

**NOTE**

If the RPT is defined as \[ \text{SECOND} \] stopwatch timer function, please also set \[ MENU 26 \] (Stopwatch Timer) to activate this function.

3. **LAMP: Activate Lamp Function**

In standby, short press \[ \text{RPT} \] to turn ON/OFF the backlight.

In standby, press \[ MENU \] + \[ TALK \] \[ NEXT \], the screen shows \[ \text{RPT} \], press \[ MENU \] to enter, then press \[ \text{UP} \] / \[ \text{DOWN} \] to select \[ \text{LAMP} \], the screen shows \[ \text{LAMP} \], press \[ MENU \] to confirm, and then press \[ EXIT \] to turn to standby mode.

4. **SOS: SOS Function**

In standby, short press \[ \text{RPT} \] to activate SOS function.

In standby, press \[ MENU \] + \[ TALK \] \[ NEXT \], the screen shows \[ \text{RPT} \], press \[ MENU \] to enter, then press \[ \text{UP} \] / \[ \text{DOWN} \] to select \[ \text{SOS} \], the screen shows \[ \text{SOS} \], press \[ MENU \] to confirm, and then press \[ EXIT \] to turn to standby mode.

5. **OFF: Inactivate this Function**

Turn OFF this \[ \text{RPT} \] function.

In standby, press \[ MENU \] + \[ TALK \] \[ NEXT \], the screen shows \[ \text{RPT} \], press \[ MENU \] to enter, then press \[ \text{UP} \] / \[ \text{DOWN} \] to select \[ OFF \], the screen shows \[ \text{OFF} \], press \[ MENU \] to confirm, and then press \[ EXIT \] to turn to standby mode.

6. **RADIO: Activate FM Radio Function**

In standby, short press \[ \text{RPT} \] to activate FM radio function.

In standby, press \[ MENU \] + \[ TALK \] \[ NEXT \], the screen shows \[ \text{RPT} \], press \[ MENU \] to enter, then press \[ \text{UP} \] / \[ \text{DOWN} \] to select \[ RADIO \], the screen shows \[ \text{RADIO} \], press \[ MENU \] to confirm, and then press \[ EXIT \] to turn to standby mode.

**NOTE**

If the RPT is defined as \[ RADIO \] function, please also set \[ MENU 20 \] (FM Radio Function on Side Key 1) to activate this function.
How to operate

7. FR/CH: Working Mode Switch
In standby, short press (UP) to speedily switch between Frequency and Channel mode.
In standby, press MINI + VOL2 VOL1, the screen shows \( \text{FREQ/MODE} \), press MINI to enter, then press \( \uparrow / \downarrow \) to select FR/CH, the screen shows \( \text{CH/MODE} \), press MINI to confirm, and then press EXIT to turn to standby mode.

NOTE
If the RPT is defined as FR/CH function, please also set MENU 22 (Working Mode Switch) to activate this function.

Working Mode Switch (CH-MDF) — MENU 22
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 follows:
① Channel (CH)  ② Frequency + Channel number (CH FREQ)  ③ Channel name (NAME)

Frequency mode (FREQ) and Channel mode switchable
① Without password input
In standby, press MINI + VOL2 VOL1, then press \( \uparrow / \downarrow \) to choose working mode and finally press MINI to confirm.

② With password input
In standby, press MINI + VOL2 VOL1, then press \( \uparrow / \downarrow \) to choose one of FREQ/NAME/CH/CHFREQ. Press MINI to confirm, then the screen displays \( \text{FREQ/MODE} \). Please input the preset password through the keypad, then the transceiver will switch to the selected mode.
How to Operate

**NOTE**

- Only use at least 1 Channel and/or Channel Name, and then the transceiver can switch to Channel Number and/or Channel Name mode.
- Speedily switch between Frequency and Channel Mode:
  In standby, press **MENU** + **SEL** combination keys to switch the desired working mode. Input the password of mode switching if set.

Auto Backlight (ABR) --- MENU 23

In standby, press **MENU** + **SEL**, the screen displays \[ \text{AUTO} \text{BAC}_\text{OFF} \]

Press **MENU** to enter, it shows 'ON', press A / V to turn ON/OFF auto backlight function, then press **MENU** to confirm, press **EXIT** return to standby.

**NOTE**

- This function is only activated when operating on the front case keypads and side key 1, but not on side key 2 and PTT key.

---

Offset Frequency (OFF-SET) --- MENU 24

Offset frequency means the difference between transmitting frequency and receiving frequency. The range of this transceiver is from 0 to 69.975MHz.

In standby, press **MENU** + **HL2** **HL4**, the screen displays \[ \text{OFF-SET} \text{OFF} \]

Press **MENU** to enter, then press A / V to select listed offset frequency, or manually input through keypad directly. Press **MENU** to confirm, then press **EXIT** return to standby.

Frequency Shift Direction (SFT-D) ---- MENU 25

There are three selections for the frequency shift direction setting:
1. Plus shift (+), which means that the transmitting frequency is higher than the receiving frequency.
2. Minus shift (-), which means that the transmitting frequency is lower than the receiving frequency.
3. Turn off this function.

In standby, press **MENU** + **HL2** **HL6**, the screen displays \[ \text{SFT-D} \text{OFF} \]

Press **MENU** to enter, press A / V to select +/-/OFF, then press **MENU** to confirm, finally press **EXIT** return to standby.

The Offset Frequency and Frequency Shift Direction functions will be only valid under Frequency mode. Please follow the below setting steps:
How to operate

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

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

In Frequency mode, input 450.025 MHz to the screen then press Menu + No.2 + Menu + Menu to select positive direction (+), press Menu + Exit, then press Menu + No.2 + No.4 + Menu + A / T to choose 10.000+ Menu + Exit, so the frequency shift direction and offset frequency are set.

The screen displays [450.025 MHz], press PTT to transmit and the screen displays [460.025 MHz].

Release PTT the screen displays [450.025 MHz] and it means receiving frequency is [460.025 MHz] while the transmitting frequency is [450.025 MHz].

Stopwatch Timer (SECOND) --- MENU 26

In standby, press Menu + No.2 + Menu, the screen displays [SECOND].

Press Menu to enter, it shows ‘OFF’, then press A / T 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 A to start counting, while press any key to pause. Press A again to re-start counting.

NOTE

➤ When it pauses counting, press any key, except A and T (defined as Stopwatch function) to Exit the Stopwatch timer function.

Channel Name Edit (CHNAME) --- MENU 27

You should at least store one channel to the transceiver, and it must be under Channel mode, then you can edit the Channel Name.

1. Channel Name is composed by 26 letters (A–Z) and 10 numbers (0–9), 6 digits max. Press the A key to choose letters then press the T to select the editing place. The “-” symbol means that this digit is a blank.

2. Edit channel name via KG-UV6D programming software, or input via keypads manually.

Editing Method

1. Set the transceiver in Channel Name display mode (see P32-34: Working Mode Switch).

2. Select the desired channel, press Menu + No.2 + No.4 + Menu, the screen display 6 “-” bar, press the
How to Operate

key to choose letters, then press the to edit the second digit. After finishing editing, press to confirm, then press to exit. The screen displays the edited name, and the right corner shows the corresponding channel number.

Channel Memory (MEM-CH) --- MENU 28

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

Input the desired frequency, then press to enter, press / to select the desired channel, then press to store, with the voice prompt "receiving memory". Press to exit, this memory channel with same TX and RX frequency.

If you need to store the different TX and RX frequencies in the same channel, repeat the above operation with another frequency, then there is another voice prompt "transmitting memory".

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

1. In frequency mode, input $\text{MEM} + \text{CH} + \text{MEM} + \text{MEM} + \text{MEM} + \text{MEM} + \text{MEM}$, then press $\text{CH} + \text{MEM} + \text{MEM}$ or $\text{CH} + \text{MEM} + \text{MEM}$ to select CH-20, press to confirm, voice prompt for receiving memory, then press .

2. Input $\text{MEM} + \text{MEM} + \text{MEM} + \text{MEM} + \text{MEM} + \text{MEM}$, voice prompt for transmitting memory, then press .

The different TX and RX frequencies were stored to CH20 successfully now.

NOTE

if required, the CTCSS/DCS tone should be set before storing the matching TX/RX frequencies to the channel.

Transmitting memory only store the transmitting frequency.

The empty channels can set both receiving and transmitting memory, otherwise only transmitting memory can be done. Delete the stored channels if you want to set receiving and transmitting memory in the same channel.

When the memory channel you selected displays $\text{MEM} + \text{MEM} + \text{MEM}$, it means that this channel is not empty (stored before), while displays $\text{MEM} + \text{MEM} + \text{MEM}$ means that this channel is empty.

Besides the manual memory, it is also available to do the memory channel via the matching programming software.

Channel Delete (DEL-CH) ------ MENU 29

In standby, press $\text{MEM} + \text{MEM}$, the screen displays $\text{MEM} + \text{MEM}$ press to enter, and press / to select the desired channel, then press to confirm.

After the channel is deleted successfully, press to return to standby.
**How to Operate**

**Reset ---- MENU 30**

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

VFO reset means that all the functional parameters set in frequency mode resume to the factory setting.

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

1. **VFO Reset**

   In standby, press **MENU + W3 0**, the screen displays [RESET VFO].

   Press **MENU** to enter, and press **A / V** to select VFO, then press **MENU**, the screen displays [RESET].

   Press **MENU** again to confirm, and the screen displays [RESET DIAL].

   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 KG-UV6D 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 password is "000000", it means no password needed to input for this operation.

---

(1) **Setting password as "000000"**

   In standby, press **MENU + W3 0**, the screen displays [RESET VFO].

   Press **MENU** to enter, and press **A / V** to select ALL, press **MENU**, the screen displays [RESET].

   Then press **MENU** again to confirm, the screen displays [RESET DIAL].

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

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

   In standby, press **MENU + W3 0**, the screen displays [RESET VFO].

   Press **MENU** to enter, and press **A / V** to select ALL, press **MENU**, the screen will displays [RESET], at this time input the valid password (e.g.:123456), the screen displays [RESET DIAL].

   Then the transceiver will start resetting. After reset is done, the transceiver will be resumed automatically.
**How to Operate**

**SOS Band Selection (SOS-CH) --- MENU 31**

This function can set which band to transmit the SOS signals.

In standby, press `MENU` + `U` + `D`, the screen shows `\(\text{SOS-CH} \uparrow\)`, press `MENU` to enter, then press `\(\uparrow\)` / `\(\downarrow\)` to select CH-A or CH-B, press `MENU` to confirm, and then press `EXIT` to turn to standby mode.

**NOTE**

- To activate the SOS function, please also set MENU 20 (SOS Function on Side Key 1) or MENU 21 (SOS Function on RPT Multifunctional Key).

**CTCSS/DCS Scan ------ MENU 32**

This function can scan all transmitters CTCSS/DCS tones. If your CTCSS/DCS is different from the other members in your group, you can detect these different tones.

When the transceiver is in receiving mode, press `MENU` + `U` + `D` , the screen displays `\(\text{CTCSS} \uparrow\)`.

Press `MENU` to enter, the arrowhead points to "CTCSS". Press `\(\uparrow\)` / `\(\downarrow\)` to select CTCSS or DCS scan. 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 `\(\uparrow\)` / `\(\downarrow\)` or rotate the Rotary Encoder to change ascending or descending scanning.
- When the transceiver scans 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 frequency to 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 activate the CTCSS/DCS scanning.
How to Operate

DTMF Encoding

The 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.

ANI ID Code Edit/Transmit/Transmitting Delay Time & 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 of 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 OFF means manual transmitting.

ANI ID Code Transmitting Delay

This means the delay time of transmitting ANI ID after pressing the PTT key to communicate. 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: Pressing number key or transmit ANI ID Code can turn on sidetone when transmitting.
④ OFF: In encoding mode, all sidetones are off.
**How to Operate**

**Priority Scan**
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 followsings:

CH1 → CH6 → CH2 → CH6 → CH3 → CH6 → CH4 → CH6 → CH5 → CH6

When this transceiver detects signal on the priority channel during scanning, it will switch to its frequency. Please program the priority channel via KG-UV6D programming software.

**Reverse Frequency**
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, press \[\text{ }\] to activate this function, while press \[\text{ }\] again to switch it off.

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**Channel Mode Operation**

1. Activate/inactivate Menu function
2. Activate/inactivate Reset function

Please program above operations via Wouxun KG-UV6D programming software.

**Low Voltage Prompt**
When the battery pack is in low voltage, there will be voice prompt for the lower voltage, at this time, the backlight flashes 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 MENU15 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-UV6D programming software.
How to Operate

Wire-clone Function
1. Well install the battery into the source radio and the target radio, and then well connect the wire-clone cable of these two radios.
2. Turn ON the target radio.
3. Press the MONI key of the source radio meanwhile turn ON.
4. The RED light of source radio flashing, it means start copying the data.
5. The GREEN light of target radio flashing, it means start receiving the data.
6. After finishing copying, the RED and GREEN light of these two radios went off, and then return to the standby mode.

Working with Repeater
This series of transceiver is available to work with repeater both in Frequency mode and Channel mode, which is programmable through the key board and via the programming software.
Please refer to the following steps about manual programming the channels to work with the Repeater.

a. Set the transceiver work in the Frequency/VFO mode. (If the radio works in channel mode, please press \[ MENU \] + \[ CH \] key to switch to frequency mode.)
b. Input the Receive frequency through the keyboard. (The Receive frequency of this transceiver is the Transmit frequency of Repeater.)
c. Set the related parameter you need for this frequency, like MENU 15-18 CTCSS/DCS, MENU23 Offset frequency, MENU 24 Shift frequency direction and others.
d. Memorize this frequency and the parameter into the specified channel by MENU 27.
e. Repeating above settings to set the Transmitting Memory.

NOTE

➢ After setting the Offset frequency and the Shift frequency direction of receiving memory, you don’t need to memorize the Transmit frequency

After above, the settings to work with repeater are successful.
Switch the working mode to Channel mode, call out this specified channel you have memorized, the transceiver can join in the Repeater.

For example, the Receive frequency of Repeater is 442.850MHz, the Offset frequency is 5.000MHz, the Shift frequency direction is "-", the T-CTCSS is 103.5Hz, the specified channel CH-20. Please see the steps as following:
a. Power on the transceiver, and set it to work in Frequency mode.
b. Press \[ MENU \] + \[ UP \] + \[ MENU \] to set the Frequency step, and then press \[ MENU \] to confirm, finally press \[ BTN \] to return to standby.
**How to Operate**

c. Input the frequency 447850 through the keyboard, and program followings:

» Press `Menu` + `0` + `Menu` + `Menu` to select the desired power, and then press `Menu` to confirm, finally press `Exit` to return to standby. (Please refer to MENU 4 on Page 16)

» Press `Menu` + `Mem` + `Mem` + `Menu` to select the desired CTCSS code 103.5Hz, and then press `Menu` to confirm, finally press `Exit` to return to standby. (Please refer to MENU 16 on Page 23)

» Press `Menu` + `Mem` + `Mem` + `Mem` + `Menu` to select the desired offset frequency 5.00MHz, and then press `Menu` to confirm, finally press `Exit` to return to standby. (Please refer to MENU 24 on Page 35)

» Press `Menu` + `Mem` + `Mem` + `Menu` to select the desired direction “+”, and then press `Menu` to confirm, finally press `Exit` to return to standby. (Please refer to MENU 25 on Page 35-36)

» Press `Menu` + `Mem` + `Mem` + `Menu` to Memory channel, Press `A` / `B` key, rotate the channel encoder, or directly input 2+0 through the keyboard to select the specified channel CH-20, and then press `Menu` to confirm, there is voice prompt "Receiving memory" (if the Voice guide is ON). Finally press `Exit` to return to standby. (Please refer to MENU 28 on Page 38-39)

After above, the settings for memory channel to work with the repeater is done.

If required editing the repeater's channel name, please press `Menu` + `Mem` to switch the working mode to Channel mode. Select the specified channel CH-20, and press `Menu` + `Mem` + `Mem` + `Menu` to select channel NAME displaying mode, press `Menu` to confirm, press `Exit` to return to standby. Then press `Menu` + `Mem` + `Mem` + `Menu` to edit the channel name. After finishing editing, press `Menu` to confirm, then finally press `Exit` to return to standby. (Please refer to MENU 22 on Page 32-34 and MENU 27 on Page 37-38)

**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 that charging is on the progress. It will turn to GREEN when fully charged.

**NOTE**

» When inserting the exhausted battery into the charger, it will pre-charge the battery in trickling mode, the RED light of charger flashes and lasts 10-20 minutes, then start normal charging with RED light keeping on, it will turn to GREEN when is fully charged.

» Trickling charge the exhausted battery is to protect the Lithium-ion battery.
How to Operate

Programming Guide
1. Download, unzip and install the USB driver according to different PC operating system.
2. Restart the computer, it shows that the driver is installed successfully.
3. Download and unzip the corresponding programming software.
4. Well connected the transceiver and computer with USB cable, then power on the transceiver.
5. Read from the transceiver to check the connection.
6. Set the desired data on the software, then write to the transceiver.

NOTE
- The USB driver of Windows XP / 2000 and Windows 7 & Vista is not compatible, please download the matching drivers according to your PC system.
- If 'Failed Connection' displays when reading from the transceiver, please re-check the first four steps as well as the communication ports.
- Please note, once well done the first three steps, the com port will be selected automatically. However, as the different computer settings, sometimes you should re-set the com port, in this case, please select the correct com port from the device manager according to the port assignment.
- If the connection is still failed, try to use another cable or another transceiver on another computer to double check.
- For more details, kindly contact your nearest dealer.

Trouble Shooting
Before confirmed the transceiver with real problems, kindly check the possible problems according to the following chart. If the problems come out all the time. Please RESET the transceiver, it will solve some incorrect operations. And, try to get some help from the experienced technician or contact your supplier.

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

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

---

**Technical Parameter**

### Appendix 1

#### CTCSS

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
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<tbody>
<tr>
<td>1</td>
<td>67.0</td>
<td>69.3</td>
<td>71.9</td>
<td>74.4</td>
<td>77.0</td>
<td>79.7</td>
<td>82.5</td>
<td>85.4</td>
<td>88.5</td>
<td>91.5</td>
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<tr>
<td>11</td>
<td>94.8</td>
<td>97.4</td>
<td>100.0</td>
<td>103.5</td>
<td>107.2</td>
<td>110.9</td>
<td>114.8</td>
<td>118.8</td>
<td>123.0</td>
<td>127.3</td>
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<tr>
<td>21</td>
<td>131.8</td>
<td>136.5</td>
<td>141.3</td>
<td>146.2</td>
<td>151.4</td>
<td>156.7</td>
<td>159.8</td>
<td>162.2</td>
<td>165.5</td>
<td>167.9</td>
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<tr>
<td>31</td>
<td>171.3</td>
<td>173.8</td>
<td>177.3</td>
<td>179.9</td>
<td>183.5</td>
<td>186.2</td>
<td>189.9</td>
<td>192.8</td>
<td>196.6</td>
<td>199.5</td>
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<tr>
<td>41</td>
<td>203.5</td>
<td>206.5</td>
<td>210.7</td>
<td>218.1</td>
<td>225.7</td>
<td>229.1</td>
<td>233.6</td>
<td>241.8</td>
<td>250.3</td>
<td>254.1</td>
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### Technical Parameter

#### Appendix 2

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<th>DCS</th>
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<tr>
<td>2</td>
<td>D025N</td>
</tr>
<tr>
<td>3</td>
<td>D026N</td>
</tr>
<tr>
<td>4</td>
<td>D031N</td>
</tr>
<tr>
<td>5</td>
<td>D032N</td>
</tr>
<tr>
<td>6</td>
<td>D036N</td>
</tr>
<tr>
<td>7</td>
<td>D043N</td>
</tr>
<tr>
<td>8</td>
<td>D047N</td>
</tr>
<tr>
<td>9</td>
<td>D051N</td>
</tr>
<tr>
<td>10</td>
<td>D053N</td>
</tr>
<tr>
<td>11</td>
<td>D054N</td>
</tr>
<tr>
<td>12</td>
<td>D065N</td>
</tr>
<tr>
<td>13</td>
<td>D071N</td>
</tr>
<tr>
<td>14</td>
<td>D072N</td>
</tr>
<tr>
<td>15</td>
<td>D073N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>D516N</th>
</tr>
</thead>
<tbody>
<tr>
<td>76</td>
<td>D462N</td>
</tr>
<tr>
<td>77</td>
<td>D464N</td>
</tr>
<tr>
<td>78</td>
<td>D465N</td>
</tr>
<tr>
<td>79</td>
<td>D466N</td>
</tr>
<tr>
<td>80</td>
<td>D503N</td>
</tr>
<tr>
<td>81</td>
<td>D506N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>76</td>
<td>D462N</td>
</tr>
<tr>
<td>77</td>
<td>D464N</td>
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<td>D466N</td>
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<td>D506N</td>
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</table>
**Technical Specification**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>76-108 MHz (Rx)</td>
</tr>
<tr>
<td>(can be suitable for different</td>
<td>136-174MHz &amp; 216-280MHz (Rx / Tx),</td>
</tr>
<tr>
<td>countries or areas)</td>
<td>136-174MHz &amp; 400-480MHz (Rx / Tx),</td>
</tr>
<tr>
<td></td>
<td>144-148MHz &amp; 430-440MHz (Rx / Tx),</td>
</tr>
<tr>
<td></td>
<td>66-88MHz &amp; 136-174MHz (Rx / Tx),</td>
</tr>
<tr>
<td></td>
<td>66-88MHz &amp; 400-480MHz (Rx / Tx)</td>
</tr>
<tr>
<td>Memory channel</td>
<td>199 channels</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>7.4V</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-30°C to + 60°C</td>
</tr>
<tr>
<td>Working Mode</td>
<td>Co-channel or Dis-channel simplex</td>
</tr>
<tr>
<td>Output Power</td>
<td>VHF: 5W / UHF: 4W</td>
</tr>
<tr>
<td>Modulation</td>
<td>F3E(FM)</td>
</tr>
<tr>
<td>Max. Frequency Deviation</td>
<td>≤ ±5KHz</td>
</tr>
<tr>
<td>Spurious Radiation</td>
<td>&lt; -60dB</td>
</tr>
<tr>
<td>Frequency Stability</td>
<td>±2.5 ppm</td>
</tr>
<tr>
<td>Receive Sensitivity</td>
<td>&lt; 0.2 μV</td>
</tr>
<tr>
<td>Audio Output power</td>
<td>&gt; 500mW</td>
</tr>
<tr>
<td>Waterproof</td>
<td>IP55</td>
</tr>
<tr>
<td>Dimension</td>
<td>65 X 119 X 39.5 (mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>253g</td>
</tr>
</tbody>
</table>

**NOTE**

*Specifications are subject to be updated without prior notice.*

---

**Optional Accessories**

- Six-way charger
- 1300mAh Li-ion batterypack
- "AA" batterypack
- Eliminator
- Car charger
- Programming software
- USB programming cable
- Wireclone cable
- Headset
- Speaker/Mic
- Leather case
- (SL16) (BNC) Antenna adapter
- 59
DECLARATION OF CONFORMITY

We, Quanzhou Wouxun Electronics Co., Ltd., No. 928 Nanhu Road, Jiangnan High Technology Industry Park, Quanzhou, Fujian 362000, China,
declare that our product:

Product Description: Two-way Radio
Brand: WOUXUN
Model: KG-UV6D

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

Efficient use of frequency spectrum
-ETSI EN 301733-1 V1.1.1(2008-09)
-ETSI EN 301733-2 V1.1.1 (2008-09)

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

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

Quanzhou Wouxun Electronics Co., Ltd.
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Tel:+86 595 28051265 Fax:+86 595 28051267
Http://www.wouxun.com