Manual for KG-UVD1P Programming

◆ Preparation:

Equipment and accessories required
      (a) A KG-UVD1P transceiver.
      (b) A serial port programming cable, OR:
      (c) A USB programming cable (with USB driver.)
      (d) The KG-UVD1P programming software.

◆ Steps for connection：

There are some programming manual for your reference. Please read this before you start up your first programming for wouxun KG-UVD1P series transceiver. This manual is still not perfect for any possible omission and any make-up information is welcome to keep us noted.

1. **downloading：**

If using the USB programming cable, please download the USB driver from wouxun web address DOWNLOAD area www.wouxun.com accordingly. Once you get downloaded, please unzip the file firstly.

Download the USB driver that is compatible with your operating system. There are two types of drivers selectable, one is for common windows operating system, and the other is technically for Windows Vista/ Windows 7.
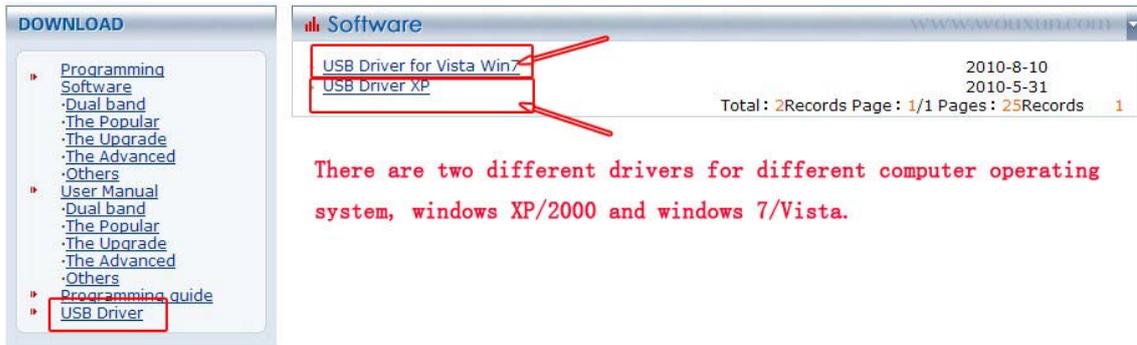
Download and unzip the programming software folder as below on wouxun website, please pay attention to model number, software version and latest update.

2. USB driver installation

Unzip the file, there are five sub files inside
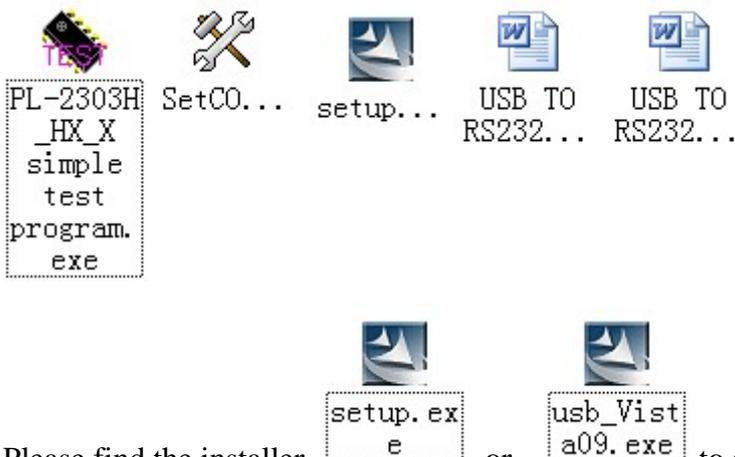
Please find the installer [setup.exe] or [usb_Vista09.exe] to start up the installation for the USB driver. Follow the specified steps as request, at last, until you get FINISH to end installing the driver. Then restart your computer.

For detailed steps for installation, pls refer to the word file about the USB driver installing manual.

After the computer is restarted, plug into the USB programming cable and connect with your transceiver. Now you get the message that your computer successfully finds the new hardware and the USB driver is completed to use.

3. **Cable ready**

After installing the USB driver, carefully unclip the top of the plastic microphone socket cover and rotate it. (Note: The cover pivots at the bottom, and remains attached.)　Insert the two pin end of the USB (or serial) cable and connect the other end to the computer.

Programming Cable

★**Note:**

Please make sure that the connection with the transceiver and your computer is contacted well. It is the first basic step to make sure that your following programming is going smoothly. Double check the cable is plug into your transceiver jack deeply enough, and the connection with your computer is good.

4. **Software ready**

After that, power on your transceiver and get your matching programming software

ready. Please download the matching programming software, unzip it and fine the

right procedure file icon to open the programming software. Please refer to the below picture:
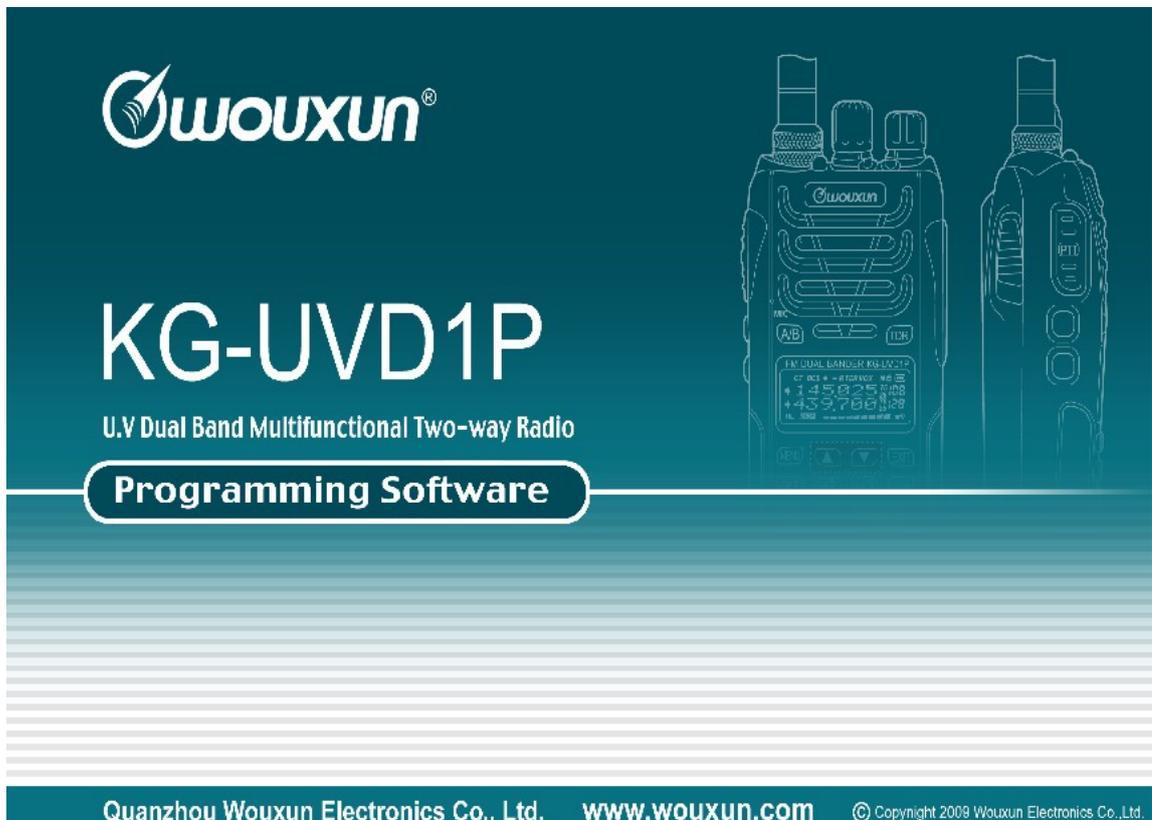
★**Note:**

a. The downloaded file should be unzipped firstly before being used.
b. Please keep attention to our software updating on our official website.
c. The programming software should be matching with your transceiver.

5．Connection

After the transceiver is on and the software is ready, open the software and enter into the programming interface. Try to read out from the radio to check the connection. If it is reading out the data from your transceiver, the indicator flashes green, there comes the blue experience bar at bottom and then you get the message "READ SUCCESS" and the channel message. If no, there gets the message "FAILED CONNECTION".

Successful connection:
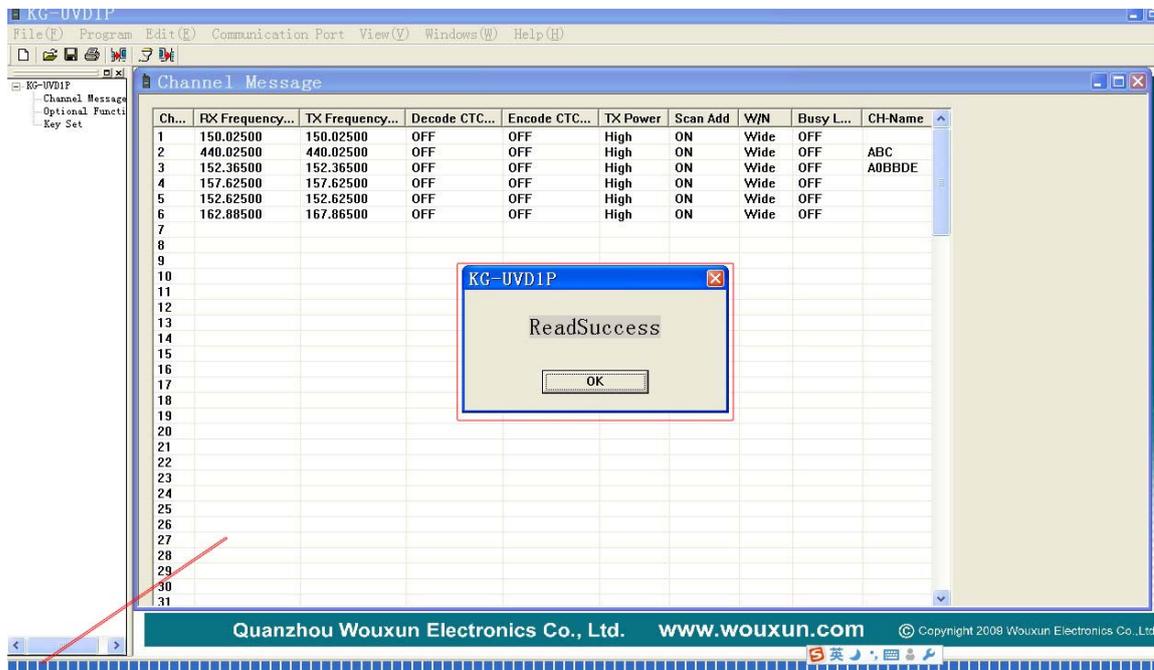
Failed connection:
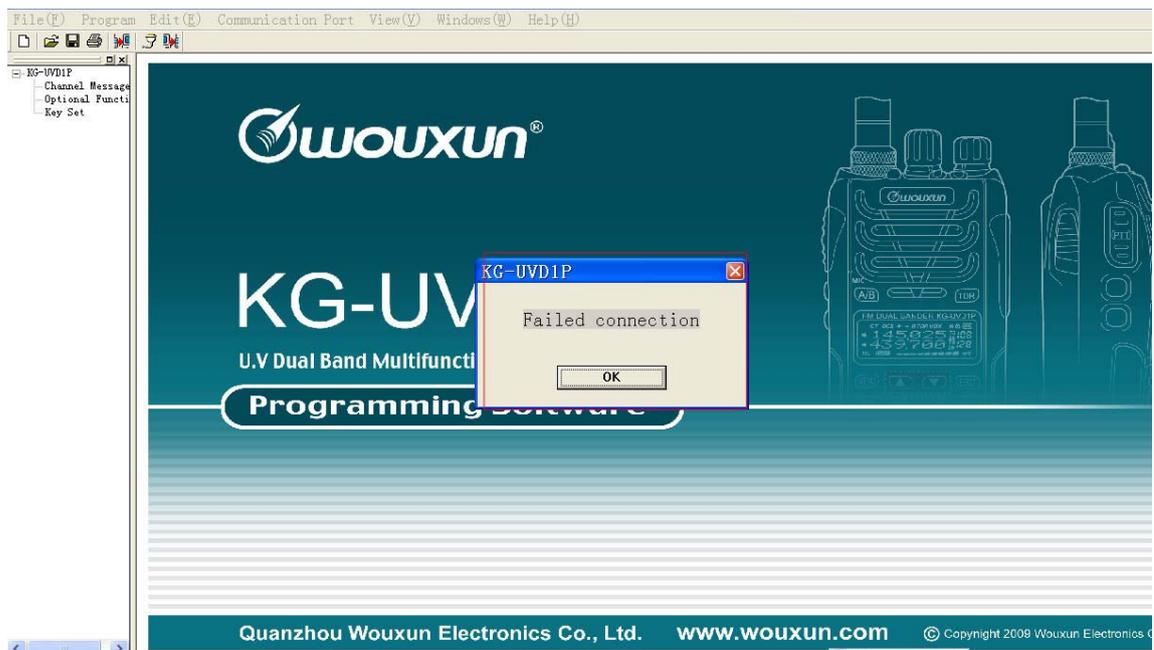
If the connection is failed, please double check the steps:
a. The USB driver is matching and installed successfully.
b. The cable is connected well.
c. The software is matching.
d. The com port is set correctly.

Sometimes, the com port setting is the main problem. Please note that once the first 3 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 since the com port available for our software is com 1-10, and 3 com ports selectable at current operation.

If it happens to the situation above, **please do the com port setting as followings:**
a. Go to the USB driver file, and fine the sub file **SETCOM**, check the com port

available.

b. Go to the **computer- property-device manager-port** and check the USB-Serial com port. If the selected com port is out of the range, please go to the advanced option to re-select the matching com port.

c. Click the **COMMUNICATION PORT** on the menu bar and try to change the other available port. Please note that the computer selected port should be compatible with the software port. If no, please change another connecting port for your computer.

★Note:

a. Please power on your transceiver and open your software, after that, do the reading from the radio programming. Sometime, the connection is not stable at the first beginning, please spare more patience, try to power on your transceiver again and re-connect it.

b. If the connection is still not OK, please try another cable or another transceiver to double check. Because sometime there maybe problems on the cable or the transceiver plug.

◆ Programming the transceiver on PC：

1. **Toolbar**
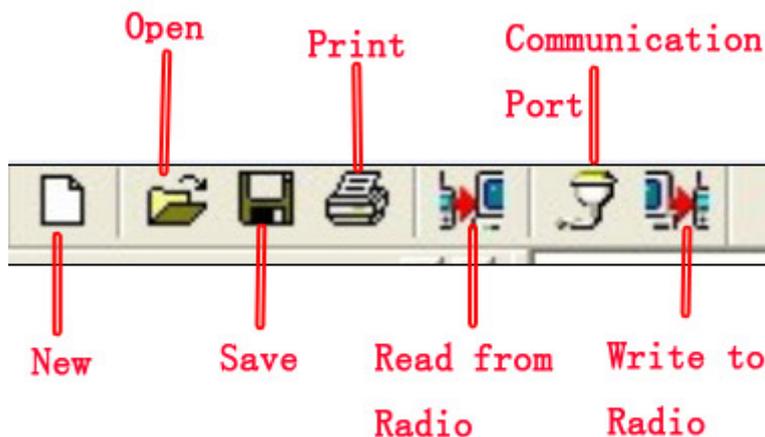
2. **Menu bar**

File

"File" :drop-down menu options are as follow:

【NEW】:Using this order can create new document, and make the present information resumed to the default value of programming software.

【SAVE】:Using this order can save the present information to the computer for your future use.

【OPEN】:Using this order can open the saved information.

【PRINT】:Using this order can print the documents.

【EXIT】:Using this order can exit from the programming and close the software.

Programming

"Programming": the drop-down menu options are as follow:

【Read from Radio(R)】: Once the option is selected, the read-out data includes" Channel Message", "Optional Function" and "Key set".

★ Note:

1. When selecting "Read from Radio(R)", there shows the blue rectangle for the programming procedure and the message "Read success" when finishing reading.
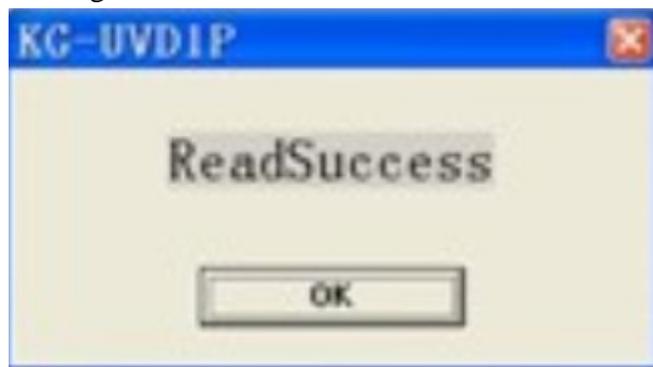
2. Shortcut:
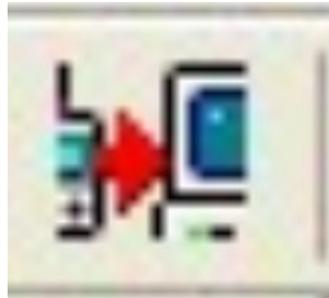
   Toolbar:

3. Please confirm if the programming cable is connected well and the transceiver turns on if a communication error happens here when the windows shows:

【Write to Radio(W)】: Once the option is selected, the writing data includes" Channel Message", "Optional Function" and "Key set".

★ Note:

1. When selecting "Write to Radio (W)", there shows the blue rectangle for the programming procedure and the message "Write success" when finishing writing.
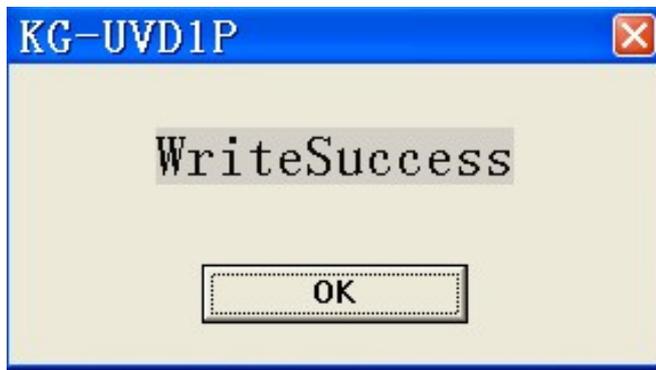
2. Shortcut:
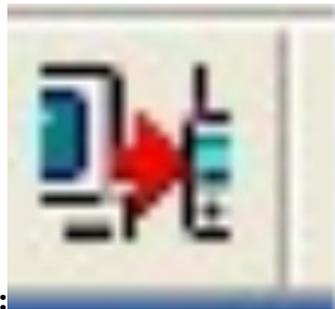
Toolbar:

3. Please confirm if the programming cable is connected well and the transceiver turns on if a communication error happens here when the windows shows:
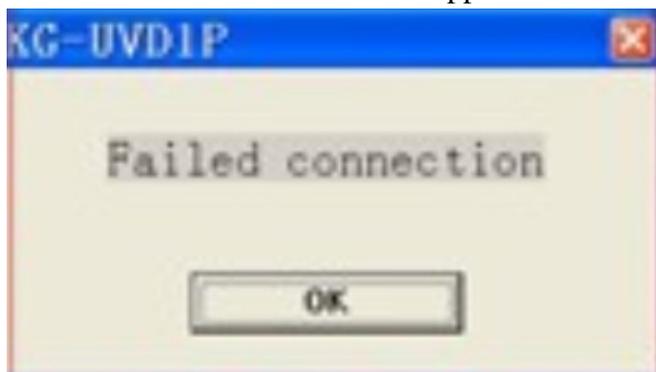
Editing:

"Edit" the drop-down menu options are as follow:

【CHANNEL INFORMATION】: Please set the frequencies and parameter settings for the desired memory channels and write into the transceiver. These settings are ONLY available in channel mode.

Ch...	RX Frequency...	TX Frequency...	Decode CTC...	Encode CTC...	TX Power	Scan Add	W/N	Busy L...	CH-Name
1	150.02500	150.02500	OFF	OFF	High	ON	Wide	OFF	
2	440.02500	440.02500	OFF	OFF	High	ON	Wide	OFF	ABC
3	152.36500	152.36500	OFF	OFF	High	ON	Wide	OFF	A0BBDE
4	157.62500	157.62500	OFF	OFF	High	ON	Wide	OFF	
5	152.62500	152.62500	OFF	OFF	High	ON	Wide	OFF	
6	162.88500	167.86500	OFF	OFF	High	ON	Wide	OFF	

Number: There are 128 memory channels selectable for this transceiver, and you can always select the desired channels to program accordingly.

RX Frequency: You can program the desired receiving frequencies for the channel, which should be within the frequency range your transceiver required.

★ Note：

1. When the input frequency is out of the frequency range, the writing programming can not be proceeded, and there shows:

2. When the input frequency is not acceptable by the frequency steps, after you press ENTER key, the frequency will be adjusted automatically to a best approximation accordingly.

TX Frequency: You can program the desired transmitting frequencies for the channel, which should be within the frequency range your transceiver required.

★ Note：

1. When the input frequency is out of the frequency range, the writing programming can not be proceeded, and there shows:

2. When the input frequency is not acceptable by the frequency steps, after you press ENTER key, the frequency will be adjusted automatically to a best approximation accordingly.

CTCSS/DCS Decoding: Setting the CTCSS/DCS can be used for you to receive the specified individual or group calls, and avoid the needless calling from others with the same frequency. Only receiving the same CTCSS/DCS signals, can the

transceiver release from the mute.

★ Note:

1. There are totally 50 groups CTCSS, and 105 groups DCS.
2. The options for CTCSS are from 67.0Hz to 254.1Hz, and the options for DCS: are from DN023 to DI754.
3. In DCS selections, DNXXX (from DN023 to DN754) means POSITIVE code, while DIXXX (from DI023 to DI754) means NEGATIVE code.

CTCSS/DCS Encoding: Setting the CTCSS/DCS can be used for you to receive the specified individual or group calls, and avoid the needless calling from others with the same frequency. Only receiving the same CTCSS/DCS signals, can the transceiver release from the mute.

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1. There are totally 50 groups CTCSS, and 105 groups DCS.
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3. In DCS selections, DNXXX (from DN023 to DN754) means POSITIVE code, while DIXXX (from DI023 to DI754) means NEGATIVE code.

TX Power: It is available to select the transmitting output power for the frequencies to each memory channel, with the selection HIGH (VHF: 5W, UHF: 4W) and LOW (VHF: 1W, UHF: 1W).
The default for this option is HIGH.

Scan Add: Once this option is ON, the corresponding channel will be added to the scanning list when the transceiver is in the scan mode.
The default for this option is YES.

W/N: This option is for you to set the bandwidth of the working band. The selection is NARROW (12.5 KHz) and WIDE (25 KHz).
The default for this option is WIDE (25 KHz).

Busy Lockout: This function is to prevent the interference from other communicating channels. If the selected channel is occupied by others, please press PTT key and the transceiver will not transmit.
The default for this option is NO.

Channel Name: Editing the name for the setting channel can be made up by 6 digits, which are selectable from 26 letters from A to Z, and 10 Arabic numerals from 0 to 9.
The default for this option is EMPTY.

【Optional Function】: Please program for most functions of this transceiver accordingly.
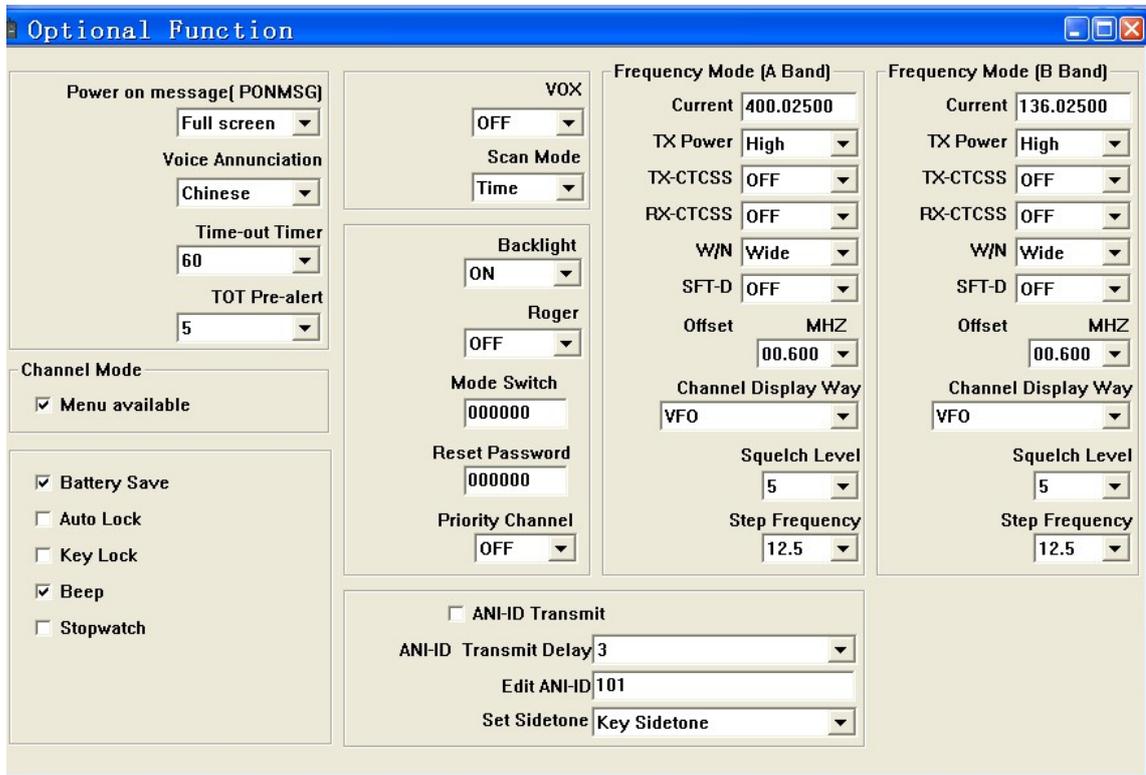
Power on message: Select the display modes when power on the transceiver, which is selectable from：

Full screen/ Welcome / Batt voltage

The default for this option is Full screen.

Voice Annunciation: Select the voice guide for this transceiver operating from:

Chinese/ English/ OFF

The default for this option is Chinese.
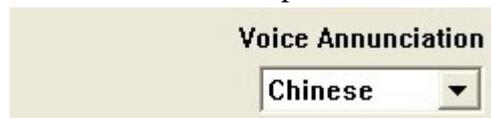
Time out Timer: Setting this function is to prevent the transceiver from transmitting for too long time. When it transmits exceeds the preset time limit, it will stop transmitting with an overtime alarm automatically. The preset time limit can be settable:

in 40 steps from 15 to 600 seconds, each steps with 15 seconds.

The default for this option is 60 seconds.

TOT Pre-Alert: This is about the timer for overtime transmitting. When the transmitting time is nearly up to the TOT Pre-Alert time, the transceiver sounds out the beep prompt and the LCD keeps flickering. The timer setting is settable:

from 1 to 10.

The default for this option is 5.

TOT Pre-alert
5

Channel Mode: Once the "Menu available" is selected, it means that the menu setting manually through the keypad is available in channel mode.
The default for this option is Available.

Channel Mode
☑ Menu available

Battery Save: Once the "Battery Save" is selected to be ON, it means the transceiver will automatically turn off the receiver circuit in standby mode and switch to working mode for transmitting and receiving when detecting signals.
The default for this option is ON.

☑ Battery Save

Auto lock: Once the "Auto lock" is selected to be ON, it means the transceiver will automatically lock the keypad if there are no other operations within 15 seconds on the transceiver.
The default for this option is OFF.

☐ Auto Lock

Key lock: Once the "Key lock" is selected to be ON, it means the keypad of this transceiver is locked. If you want to use the keypad again, please hold on pressing # key for 2 seconds to unlock it.
The default for this option is OFF.

☐ Key Lock

Beep: Beep function is the prompt for the operating confirmation, error status prompt or faulty condition reminders.
The default for this option is ON.

☑ Beep

Second： Once the "second" option is selected, slightly press * key to start up the stopwatch and press any key (except * key) to pause the calculating, then press EXIT key to stop the timing.
The default for this option is OFF.

☐ Stopwatch

VOX： The transceiver will switch to the transmitting mode when detecting the

voice signal. The level of VOX decides the signal intensity, which is need for the transceiver to detect. It is from 1 to 10, the higher level of VOX is set, the higher volume with the stronger signal is needed.

The default for this option is OFF.

Scan mode： There are three scan modes selectable when the transceiver detects signals in scan mode as followings:

TO(Time): After detecting a signal on a channel, the transceiver will continue scanning if there are no operations within 5 seconds.

CO(Carrier Wave): The transceiver will pause scanning after detecting signal. It will continue to scan 3 seconds after the signal disappears.

SE(Search): Scanning stops when a signal is received.

The default for this option is Time.

Backlight： The function is set "ON", which means that if there are no operations on the keypad within 5 seconds, the LCD display light will be off. Pressing any keys on the keyboard will re-activate the backlight, but this function is not working when receiving and transmitting.

The default for this option is OFF.
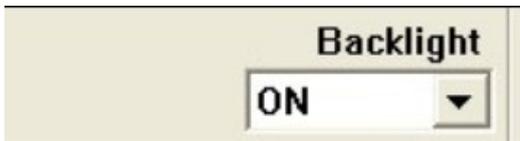
Roger： There are three prompt modes selectable when beginning and ending transmitting as followings:

Begin: Press PTT key, there is prompt when beginning transmitting.

End: Release PTT key, there is prompt when ending transmitting.

Begin& End: Press and release PTT key, there is prompt both when beginning and ending transmitting.

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

The default for this option is OFF.

Mode Switch： The user can input the password to access when switching the frequency mode and the channel mode. This password is made up by six Arabic numerals from 1 to 10, while "000000" means the invalid password and there is

no password needed to switch the working mode.
The default for this option is "000000".

Mode Switch
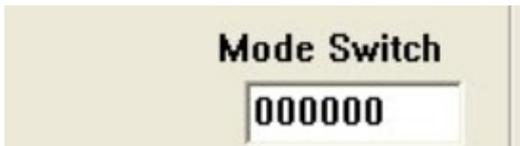
000000

★**Note**:
Shortcut switch between frequency mode and channel mode: *MENU+TDR*

Reset Password: The user can input the password to access when resetting the transceiver. This password is made up by six Arabic numerals from 1 to 10, while "000000" means the invalid password and there is no password needed to reset the transceiver.
The default for this option is "000000".

Reset Password

000000

Priority Channel: If you want to monitor the other frequency and check the certain preferred frequency at the same time, you can set priority channel for scanning. Please select the desired channel you want to scan preferentially from 1-128 channels.
The default for this option is OFF, which means there is no priority scanning channel.

Priority Channel

OFF ▼

There are some settings available in the frequency mode A band as below:
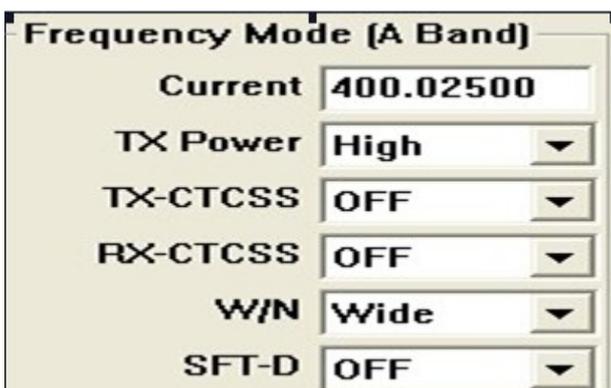
Frequency Mode (A Band)
Current	400.02500
TX Power	High ▼
TX-CTCSS	OFF ▼
RX-CTCSS	OFF ▼
W/N	Wide ▼
SFT-D	OFF ▼

Current: Please input the desired frequency directly from here. Please note that the input frequency should be acceptable by the frequency steps and the original frequency range of this transceiver. Otherwise, the input frequency will automatically be changed to be close to the original value accordingly, or you will get a message as below when writing the settings to the radio:

TX Power: Please refer to the description as mentioned previously in page10.

TX CTCSS: Please refer to the description as mentioned previously in page10.

RX CTCSS: Please refer to the description as mentioned previously in page10..

W/N: Please refer to the description as mentioned previously in page10-11.

SFT-D: It is the setting about the frequency shift direction on A band. When the transmitting frequency is higher than the receiving frequency, it is called Plus shift (+), while the transmitting frequency is lower than the receiving frequency, it is called Minus shift(-).
The default for this option is OFF.

Channel display way: There are four working modes selectable for A band as follow:
VFO/ Channel/ Channel+ Frequency/ Channel+ Name
The default for this option is VFO.

Squelch level: When the receiving signal is strong, the squelch will be on, and there is voice from the loudspeaker for all of the signaling set by the transceiver. There are 0 to 10 levels selectable for this 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 noise or other needless signals. Level 0 means the squelch level is off.
The default for this option is level 5.

Step frequency: There are 5 KHz, 10 KHz, 12.5 KHz, 25 KHz, 50 KHz and 100 KHz selectable for the frequency steps on A band.
The default for this option is 12.5 KHz.

Step Frequency
12.5

There are some settings available in the frequency mode B band as below:

Frequency Mode (B Band)
Current | 136.02500
TX Power | High
TX-CTCSS | OFF
RX-CTCSS | OFF
W/N | Wide
SFT-D | OFF

Current: Please input the desired frequency directly from here. Please note that the input frequency should be acceptable by the frequency steps and the original frequency range of this transceiver. Otherwise, the input frequency will automatically be changed to be close to the original value accordingly, or you will get a message as below when writing the settings to the radio:

KG-UVD1P

Current Frequency B Out of range

OK

TX Power: Please refer to the description as mentioned previously in page10.

TX CTCSS: Please refer to the description as mentioned previously in page10.

RX CTCSS: Please refer to the description as mentioned previously in page10..

W/N: Please refer to the description as mentioned previously in page10-11.

SFT-D: It is the setting about the frequency shift direction on B band. When the transmitting frequency is higher than the receiving frequency, it is called Plus shift (+). While the transmitting frequency is lower than the receiving frequency, it is called Minus shift (-).
The default for this option is OFF.

Channel display way: There are four working modes selectable for B band as follow:
VFO/ Channel/ Channel+ Frequency/ Channel+ Name
The default for this option is VFO.

Channel Display Way

VFO ▼

Squelch level: When the receiving signal is strong, the squelch will be on, and there is voice from the loudspeaker for all of the signaling set by the transceiver. There are 0 to 10 levels selectable for this 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 noise or other needless signals. Level 0 means the squelch level is off.
The default for this option is level 5.

Squelch Level

5 ▼

Step frequency: There are 5 KHz, 10 KHz, 12.5 KHz, 25 KHz, 50 KHz and 100 KHz selectable for the frequency steps on B band.
The default for this option is 12.5 KHz.

Step Frequency

12.5 ▼

ANI ID Code Transmit: Once this function is selected, the ANI ID Code will be automatically transmitted when you press PTT to transmit.
The default for this option is OFF.

☐ **ANI-ID Transmit**

ANI ID Transmit Delay: This function is setting the delay time for transmitting AIN ID Code after you press PTT key to transmit, so that it does not response immediately to the transmitted ID from the transceiver. The delay time can be set from 1 to 30 (Unit 100 ms).
The default for this option is 3.

ANI-ID Transmit Delay 3 ▼

ANI ID Edit: This function is about editing the ANI ID CODE, which can be 1 to 6 digits selectable. The code should be made up from 0 to 9 Arabic numerals, A、B、C、D、# and * characters.
The default for this option is A10100.

Setting sidetone: There are three sidetone modes when transmitting as follow:
DT-ST: Activate the key pressing sidetone when transmitting.
ANI-ST: Activate the ANI ID CODE transmitting sidetone when transmitting.

DT+ANI: Activate the key pressing sidetone and ANI ID CODE transmitting sidetone when transmitting.

OFF: Turn off the DTMF sidetone function.

The default for this option is Key sidetone.

【Key Set】

PTT key: Press PTT key to transmit signals accordingly.

PF1(Side Key): There are 3 function selectable for the side key setting as followings:

FM Radio: When the FM radio option is selected as the side key function, press this key to activate the radio mode.

UNDEF: If this function is selected as the side key function, this side is invalid.

Scan: If Scan option is selected as the side key function, press this key to activate the scan mode.

Lamp: If Scan option is selected as the side key function, press this key to activate the lamp.

SOS-CH: If Scan option is selected as the side key function, press this key to activate the alarm mode.

MONI key: There are two options for this key as below:

Long press: Holding on pressing this key can activate Monitor function.

Short press: Slightly pressing this key can activate Flashlight function.

Communication Port

Toolbar:

There are 10 com port selectable for our software, and please select it through SETCOM. Each time, there are 3 com ports activating for the current operation, and usually the port is selected automatically when connection is well and the software is open to use.
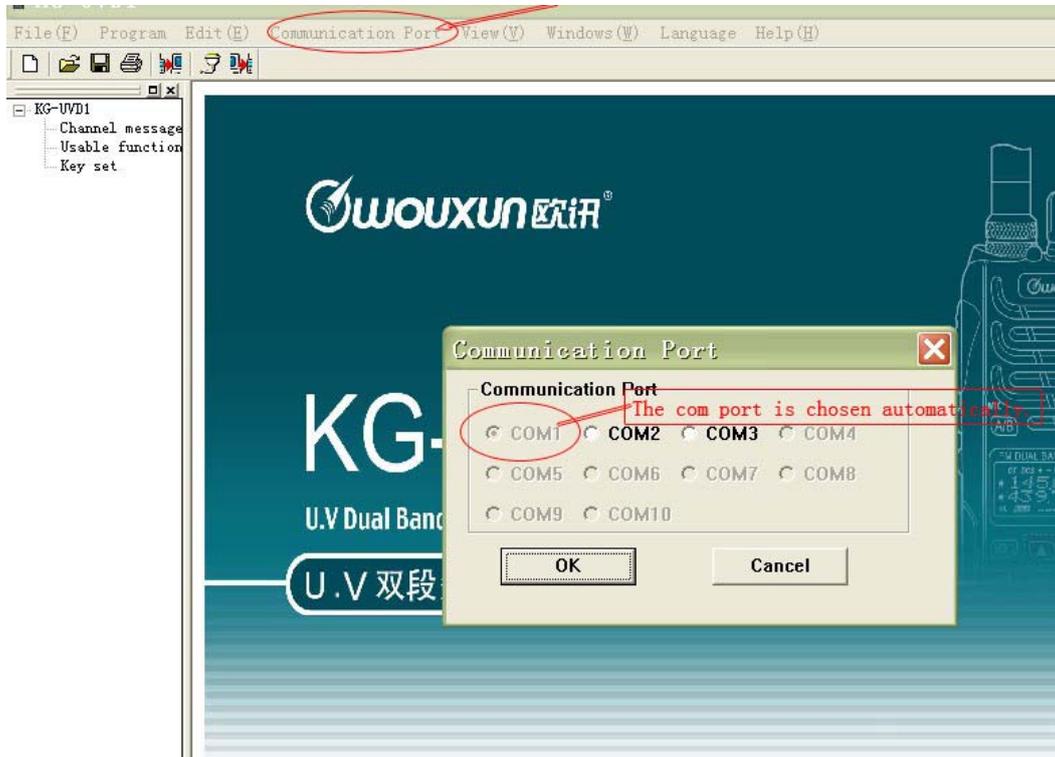
★ **Note**：
1. After connecting the transceiver with PC via the programming cable, the programming software will normally automatically identify the port. In most cases it is not necessary to set the port manually.
2. If the connection is well, actually you can see the connected com port number is the device manager. There shows the port of the computer which is being connected.

View:

"View" the drop-down menu options are as follow:

【Tree View】 Selecting whether open the browse window or not.
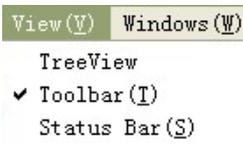
【Toolbar】 Using this order can display or hide the toolbar.
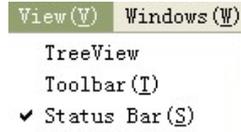
【Status Bar】 Using this order can display or hide the status bar. It means the programming software will display or hide status bar when reading out or writing in the data.

The default for this option is TreeView.

Window(W)

"Window" the drop-down menu options are as follow:
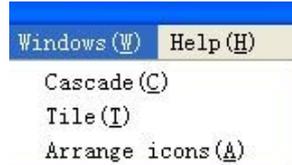
【Cascade】 Using this order can arrange several opening windows by germination.
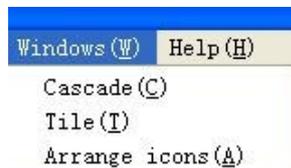
【Tile】: Using this order can arrange several opening windows by un-germination.
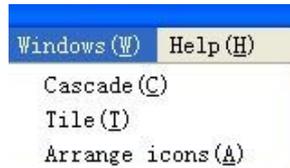
【Arrange Icon】 Using this order can arrange and minimize the icons of windows on the bottom of the main window. If there is an opening document window on the bottom of the main windows, a part or all icons may be not seen. Because these icons are warded off by document window.

Help

"Help" the drop-down menu options are as follow:
About KG-UVD1P:

KG-UVD1P HELP:

General Assistance

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