

Programming guide for KG-UVD1P

◆ 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 is some programming suggestion 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 the DOWNLOAD area on wouxun official website (the web address www.wouxun.com) accordingly. Once you download the software successfully, please unzip the file firstly.

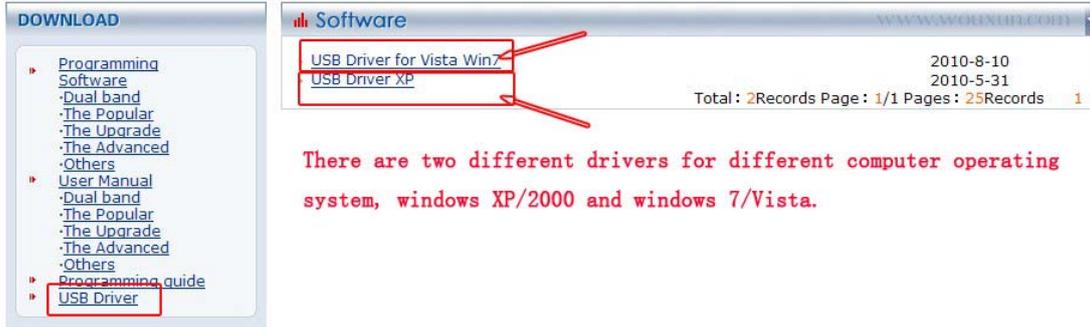


The screenshot shows the Wouxun website's navigation menu with 'DOWNLOAD' circled in red. Below the menu, there is a 'DOWNLOAD' section with a tree view of links: 'Programming Software', 'User Manual', 'Programming guide', and 'USB Driver', all of which are also circled in red. To the right, a 'Software' table lists various models and their download dates.

Model	Download Date
KG-UVD1P 2.0	2010-11-6
KG-UVD1	2010-10-22
KG-833(The Popular)C2	2010-10-8
KG-801E(The Popular)C3	2010-9-1
KG-UVD1P programming manual	2010-8-31
KG-833(The Popular)C3	2010-8-31
KG-703E(The Popular)C2	2010-8-31
KG-703E(The Popular)C3	2010-8-31
KG-699E(The Popular)C2	2010-8-31
KG-689E(The Popular)C3	2010-8-31
KG-689E(The Popular)C2	2010-8-31
KG-679E(The Popular)C3	2010-8-31
KG-679E(The Popular)C2	2010-8-31
KG-669E(The Popular)C3	2010-8-31
KG-669E(The Popular)C2	2010-8-31
KG-659E(The Popular)C3	2010-8-31

Download the USB driver which 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.

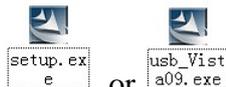


Download and unzip the programming software folder as below on wouxun website, please pay attention to model number, software version and updated date.



2. USB driver installation

After you unzip the folder, there are five sub files as follow:



Please find the installer `setup.exe` or `usb_Vista09.exe`, and double click it to start up the installation for the USB driver. Follow the specified steps as requested, until you get **FINISH** to end installing the driver. Then restart your computer.

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

After the computer is resumed, 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.



★Note:

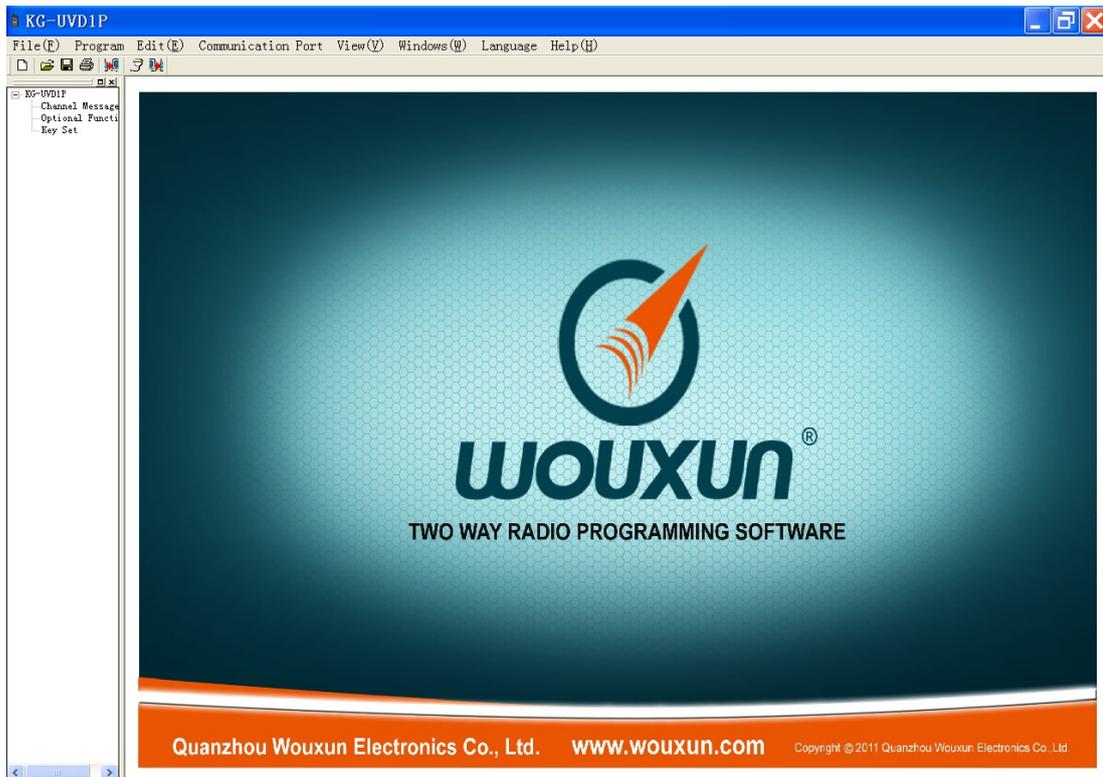
Please make sure that the connection with the transceiver and your computer is contacted well. It is the first basic step to make sure that your following programming is going smoothly. Double check the cable is plugged into your transceiver jack deeply but gently enough, and the connection with your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

4. Software ready

After the cable is ready, please get the matching software ready your next programming. Please download the matching programming software as above



instructions, unzip it and find the right procedure file icon , and then double click it to open the programming software. Please refer to the below picture:



★**Note:**

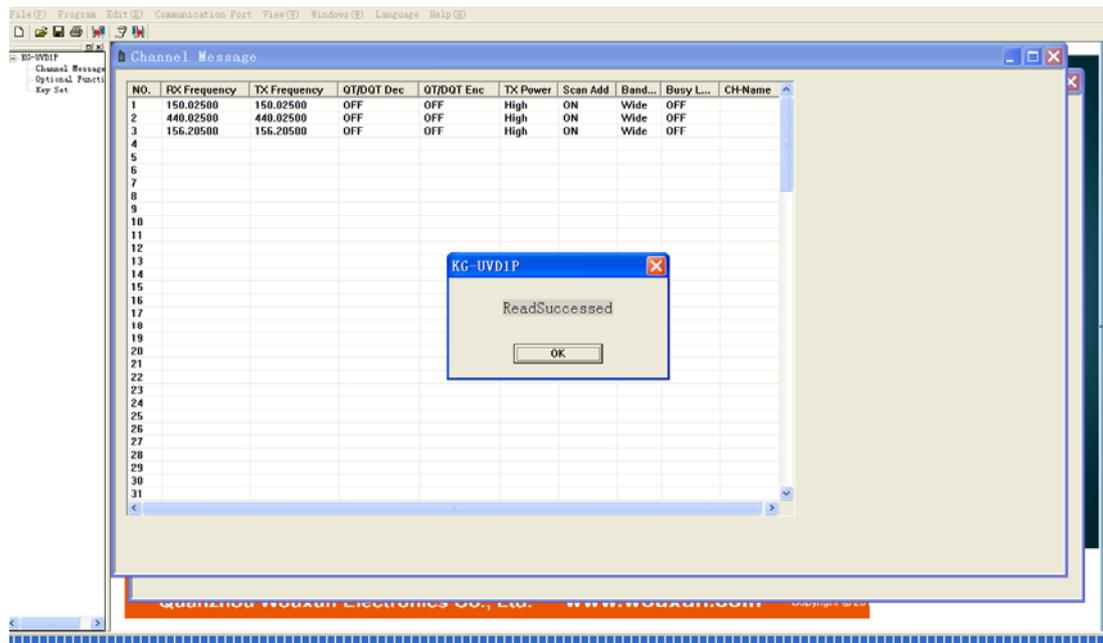
- a. The downloaded folder of the programming software should be unzipped firstly before being used.
- b. Please keep attention to our software updating on our official website.
- c. The programming software should be matching with your transceiver.

5 · Connection

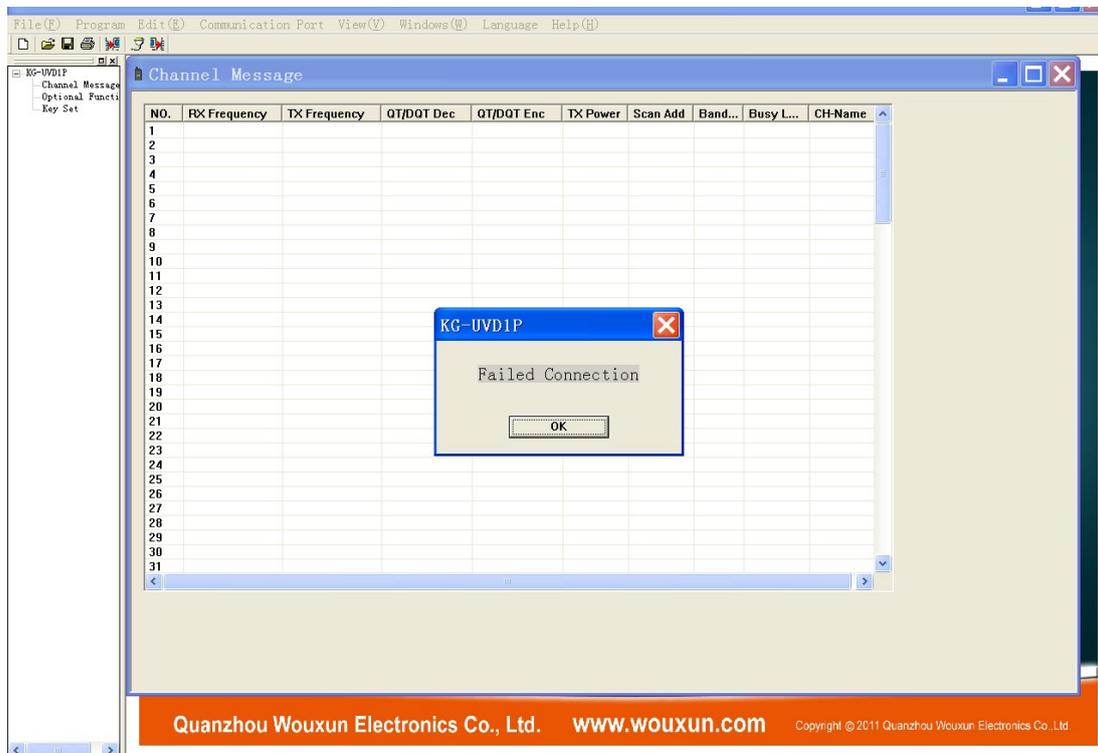
Power on the transceiver, at the same time, open the software and enter into the programming interface. Try to read out from the radio to check the connection by clicking the “Program” –“Read from Radio(R)” in the Menu bar or clicking the



Toolbar. When it is reading out the data from your transceiver, the indicator flashes green, in the meantime, there comes the blue experience bar at the bottom of the software interface. And then you get the message “READ SUCCESS” as follow picture:



If the connection is failed, it gets the message “FAILED CONNECTION” as follow:



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 with the computer and the transceiver.
- c. The software is matching with the transceiver.
- 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 ports available for our software are from Com Port 1 to Com Port 10, and only three Com ports are selectable for the current operation.

If it happens to the situation above, **please do the com port setting as followings:**

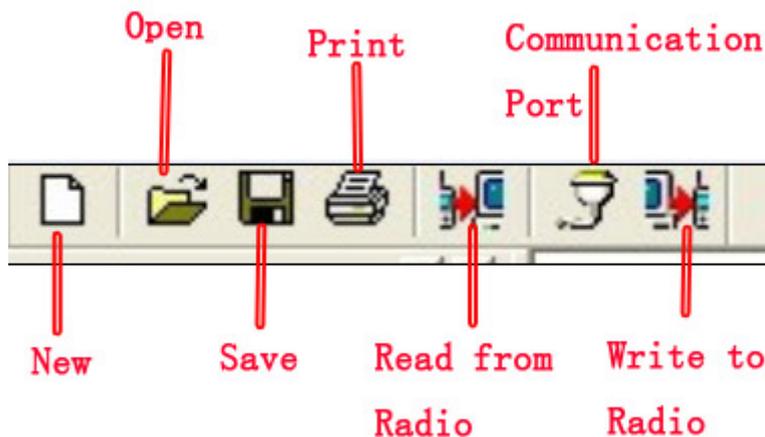
- a. Go to the USB driver file, and find the sub file **SETCOM**, check the com port available.
- b. Go to the **computer- property-device manager-port** and check the **USB-Serial com port**. If the selected com port is out of the range, please go to the **Advanced Option** to re-select the matching 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. Sometimes, the connection is not stable at the first connection. 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, to ensure that the cable and the Speaker/Microphone jacks of your transceiver are normally working.

◆ Programming the transceiver on PC :

1. Toolbar



2. Menu bar

File(F) Program Edit(E) Communication Port View(V) Windows(W) Help(H)

File

“File”: The 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 on the software.

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

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

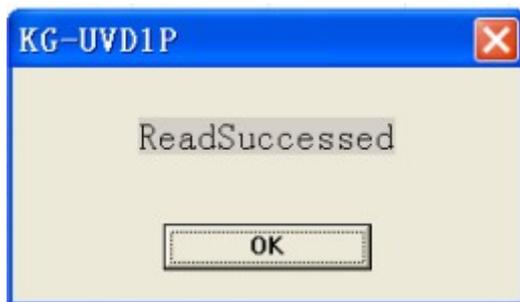
Programming

“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:



By clicking the right toolbar:

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

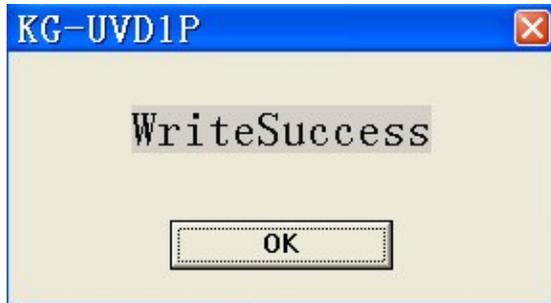


【Write to Radio(W)】 : Once the option is selected, the writing data includes

“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.

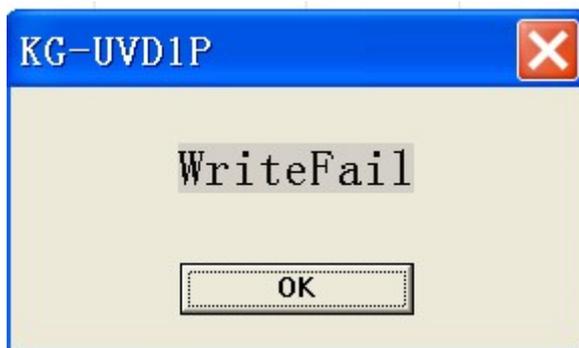


2. Shortcut:

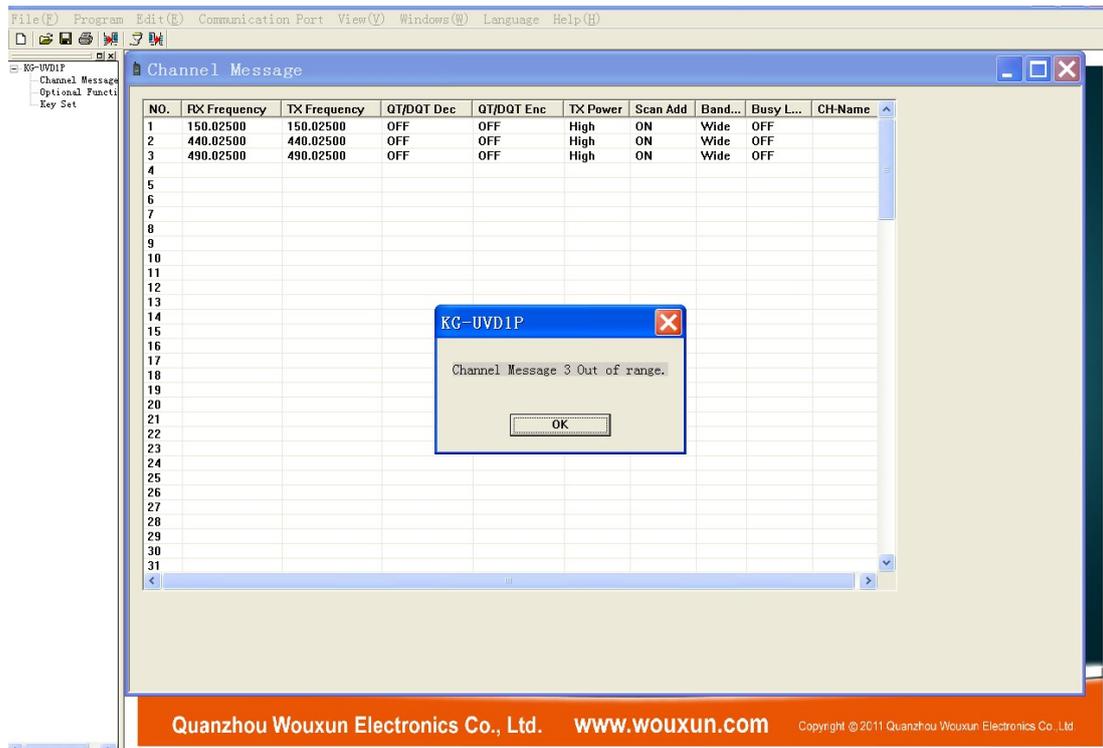


By clicking the right toolbar:

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

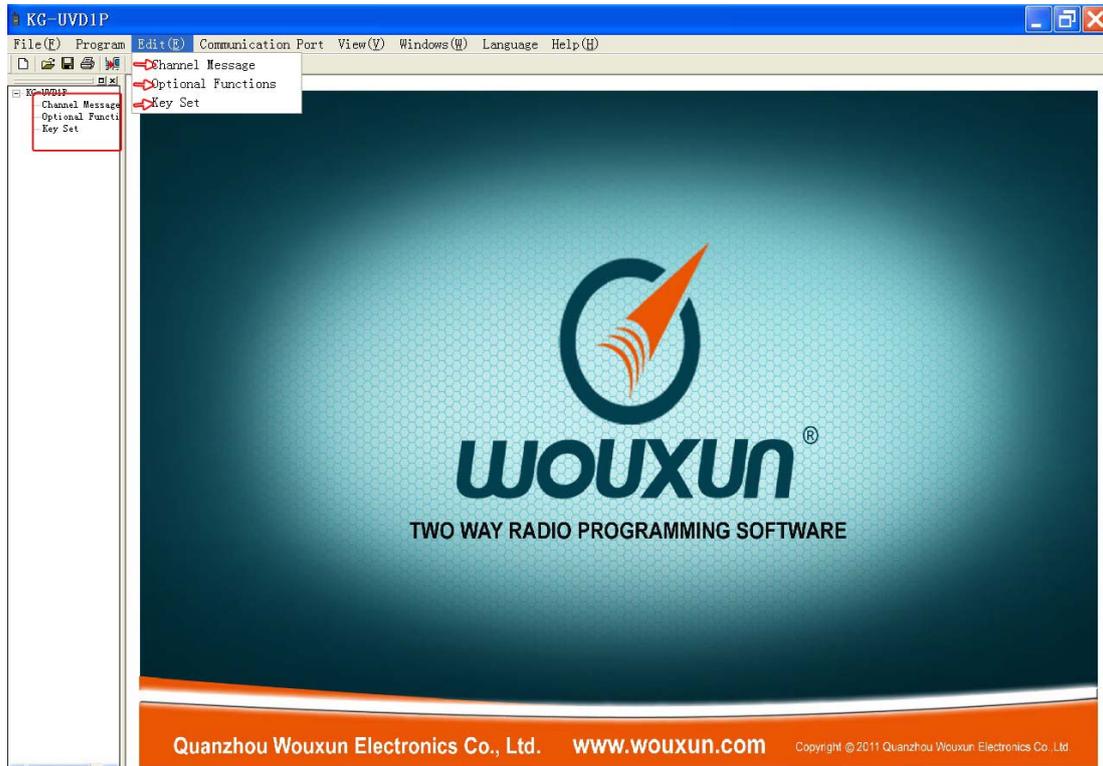


4. Please confirm whether the input frequency range is out of the original range of your transceiver OR the software is matching when a communication error happens here:



Editing:

“Edit” the drop-down menu options are as follow:



【CHANNEL INFORMATION】 : Please set the frequencies and the requested parameter for the desired memory channels according to the Parameter Bar in the CHANNEL INFORMATION, and then write the settings into the transceiver. These settings are ONLY available in channel mode.

NO.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	Scan Add	Band...	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	
3									
4									
5									
6									
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No.: There are 128 memory channels selectable for this transceiver, and you can always select the desired channels accordingly.

RX Frequency: You can program the desired receiving frequencies for the channel, which should be within the frequency range your transceiver is 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 proceed, and there shows:



Please adjust the input frequency range within the original range of the transceiver accordingly.

2. When the input frequency is within the original range but still not acceptable by the requested frequency steps, it will be automatically adjusted to a best approximation.

QT/DO1 Dec: 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. Please set the RX (Receive) CTCSS/DCS here accordingly.

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

QT/DO1 Enc: 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. Please set the TX (Transmit) CTCSS/DCS here accordingly.

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

Bandwidth: This option is for you to set the Wide or Narrow 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).

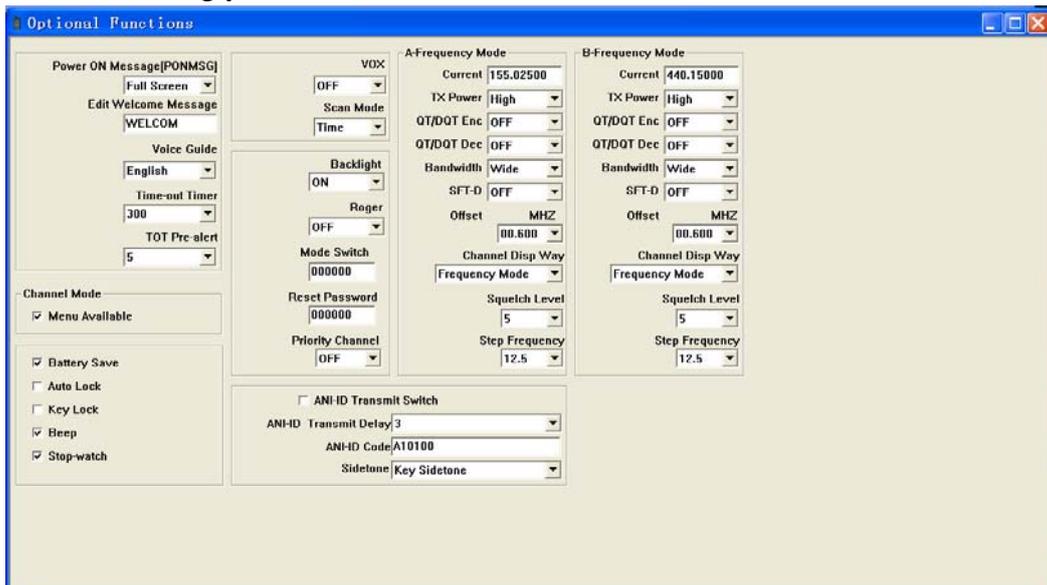
Busy Lockout: This function is to prevent the interference from other communicating channels. If the selected channel is occupied by others, please press PTT key and the transceiver will not transmit.

The default for this option is NO.

CH-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】 : It is programmable for most functions of this transceiver here accordingly.



Power On Message (PONMSG) : 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.



Edit Welcome Message: It is programmable to edit any 0-6 characters which are selectable from A to Z letters, 0 to 9 Arabic Numbers and any other characters, as the welcome display message.



Voice Guide: Select the voice guide for this transceiver operating from:
Chinese/ English/ OFF

The default for this option is English.



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, and each step is with 15 seconds.

The default for this option is 300 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.



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 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.



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.



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.



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



Stop-watch: 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 ON.



VOX: The transceiver will switch to the transmitting mode when detecting the voice signal. The level of VOX decides the signal intensity, which is needed 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:

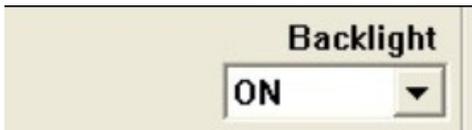
Time: After detecting a signal on a channel, the transceiver will continue scanning if there are no operations within 5 seconds.

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

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 automatically. Pressing any keys on the keyboard will re-activate the backlight, but this function is not working when receiving and transmitting. If the function is set “OFF”, which means the backlight will be OFF all the time even there are operations or receiving signals on the transceiver. The default for this option is ON.



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.

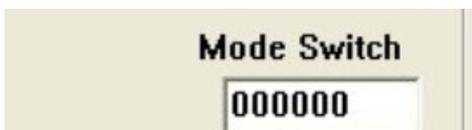
OFF: Press and release PTT key, there is no prompt either when beginning or ending transmitting.

The default for this option is OFF.



Mode Switch: The user can input the password to access when switching the working 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”.



★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”.

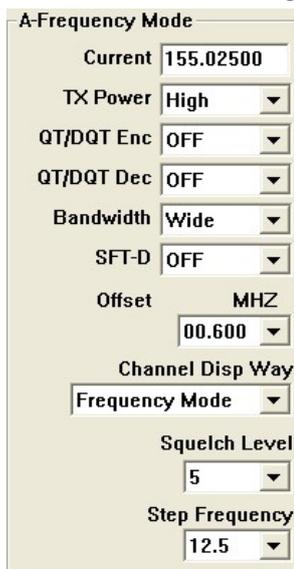


Priority Channel: If you want to monitor the other channels and check the certain preferred channel at the same time, you can set the priority channel for scanning. Please select the desired channel you want to scan preferentially from 1-128 channels.

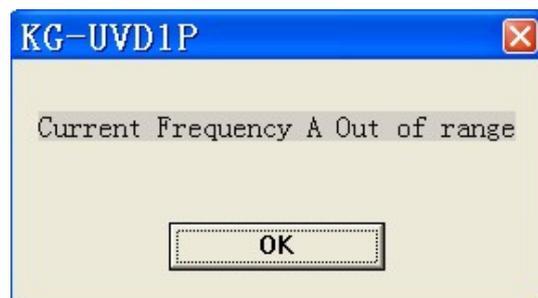
The default for this option is OFF, which means there is no priority scanning channel.



There are some settings available in the **A-Frequency Mode** as follow:



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 Page 11.

QT/DQT Enc: Please refer to the description as mentioned previously in Page 11.

QT/DQT Dec: Please refer to the description as mentioned previously in Page 11.

Bandwidth: Please refer to the description as mentioned previously in Page 12.

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.

Offset(MHz): Offset frequency means the difference between the Transmit and Receive frequency, with the selectable range from 0 to 69.950MHz.

The default for this option is 00.600MHz.

Channel Disp 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.

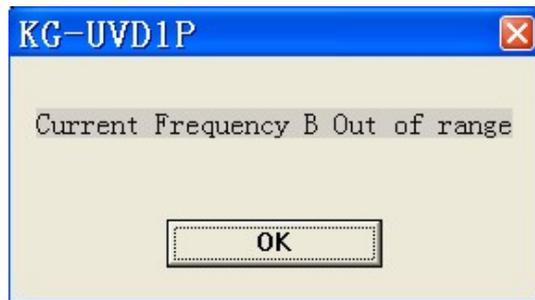
The default for this option is 12.5 KHz.



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

B-Frequency Mode	
Current	136.02500
TX Power	High
QT/DQT Enc	OFF
QT/DQT Dec	OFF
Bandwidth	Wide
SFT-D	OFF
Offset	MHZ 00.600
Channel Disp Way	Frequency Mode
Squelch Level	5
Step Frequency	12.5

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 Page 11.

QT/DQT Enc: Please refer to the description as mentioned previously in Page 11.

QT/DQT Dec: Please refer to the description as mentioned previously in Page 11.

Bandwidth: Please refer to the description as mentioned previously in Page 12.

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.

Offset(MHz): Offset frequency means the difference between the Transmit and Receive frequency, with the selectable range from 0 to 69.950MHz.

The default for this option is 00.600MHz.

Channel Disp 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.



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.

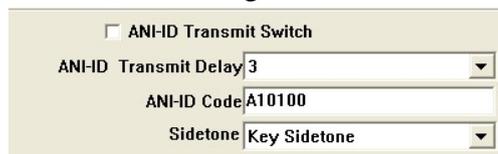


Step Frequency: There are 5 KHz, 10 KHz, 12.5 KHz, 25 KHz, 50 KHz and 100 KHz selectable for the frequency steps on B band.

The default for this option is 12.5 KHz.



The PTT-ID setting



ANI-ID Transmit Switch: 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 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 Code: 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.

Sidetone: There are three sidetone modes when transmitting as follow:

Key Sidetone: Pressing keys through the keyboard can turn on sidetone when transmitting.

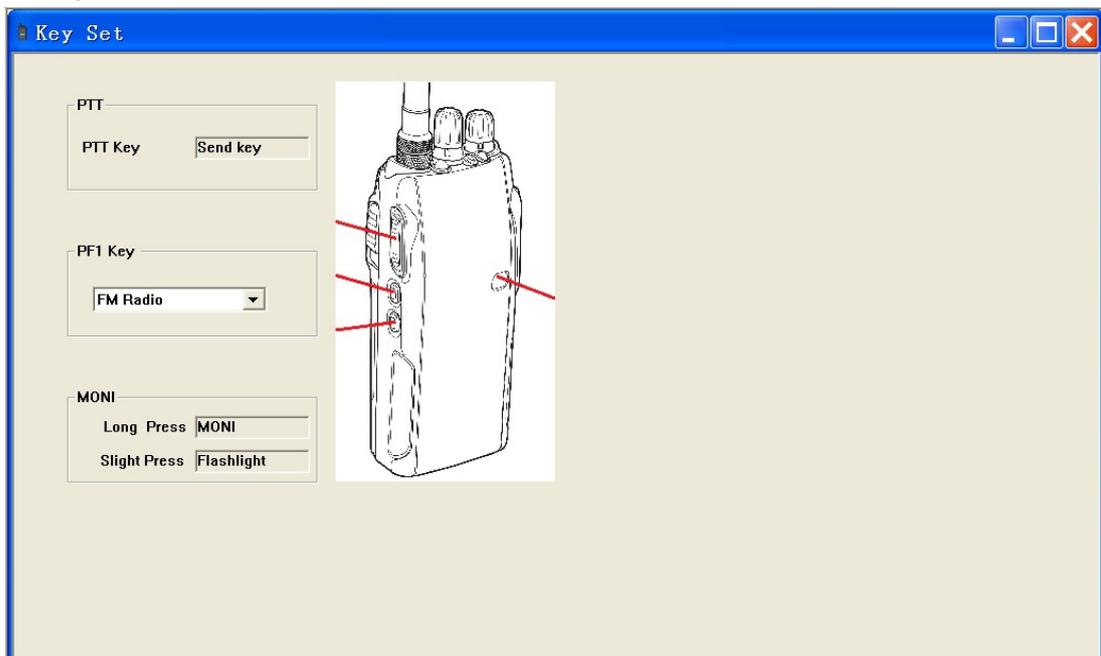
ANI-ID Sidetone: Transmitting ANI ID Code can turn on sidetone.

Key Sidetone+ ANI-ID Sidetone: Pressing keys through the keyboard or transmitting ANI ID Code both can turn on sidetone when transmitting.

OFF: In encoding mode, all sidetones are off.

The default for this option is **Key Sidetone**.

【Key Set】



PTT Key(Send key): Press PTT key to transmit signals accordingly.

PF1 Key: There are five options 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: There are two options for this key as below:

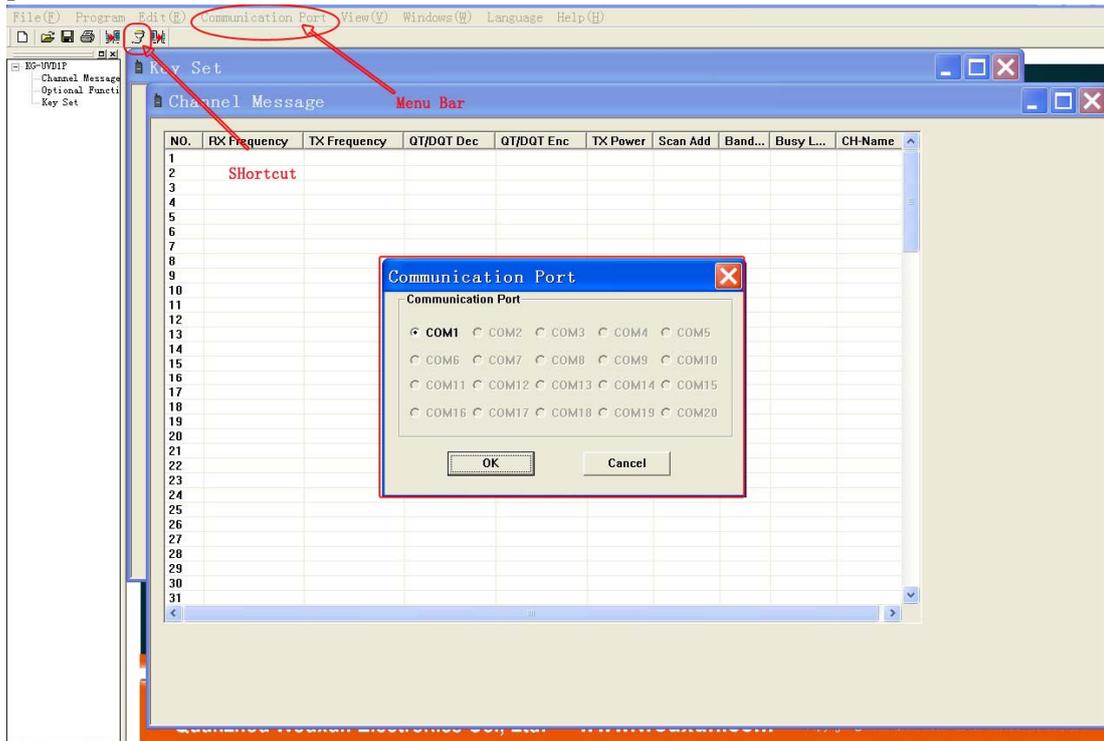
Long Press (MONI): Holding on pressing this key can activate Monitor function.

Short Press (Flashlight): Short 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.

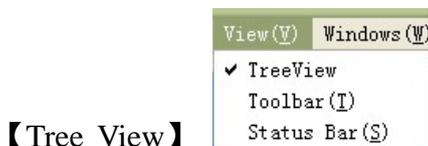


★ Note:

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:

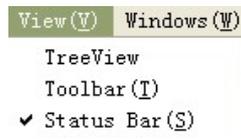
“View” the drop-down menu options are as follow:



【Tree View】 Selecting whether open the browse window or not.



【Toolbar】 Using this order can display or hide the toolbar.

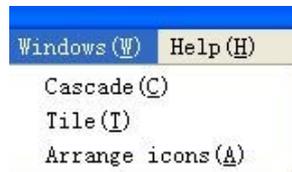


【Status Bar】 Using this order can display or hide the status bar. It means the programming software will display or hide status bar when reading out or writing in the data.

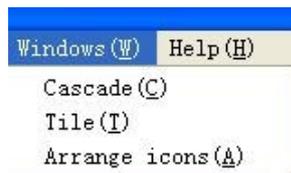
The default for this option is TreeView.

Window(W)

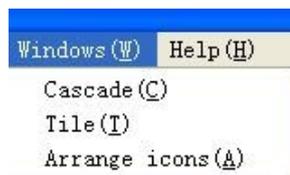
“Window” the drop-down menu options are as follow:



【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.

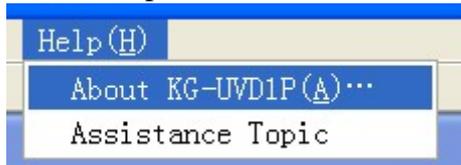
Language

Click “Language” in the menu bar, there shows:



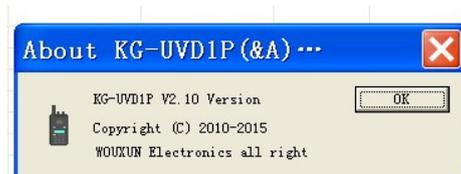
Help

Click “Help” in the menu bar, the drop-down menu options show as follow:



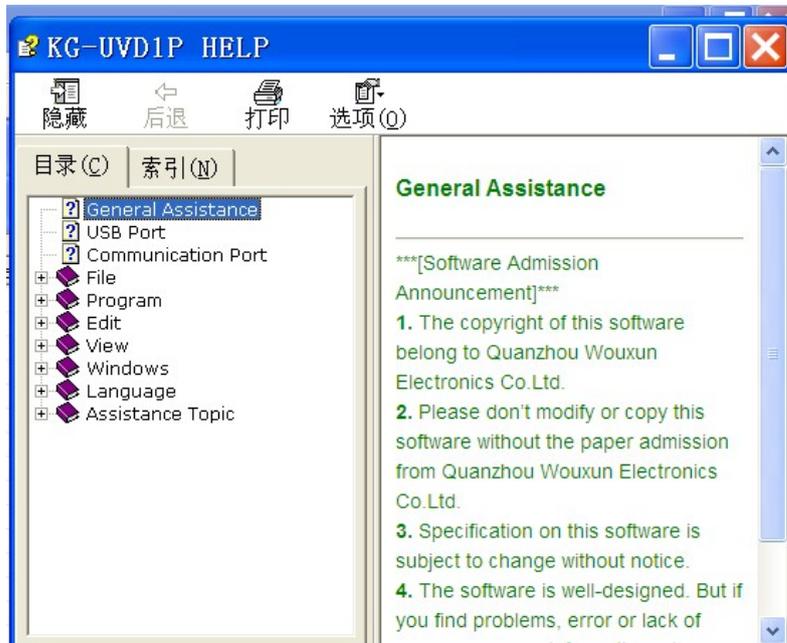
About KG-UVD1P:

It is about the version information of this transceiver.



Assistant Topic:

There are some assistant suggestions to help you to know more about this programming software.



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