## User's manual for KG-659E Programming

## (Updated version)

### **Preparation:**

Equipment and accessories required

- (a) A KG-659E Updated version transceiver.
- (b) A serial port programming cable, OR:
- (c) A USB programming cable (with USB driver.)
- (d)The *KG-659E Updated version* programming software.

### Steps:

**1.** If using the USB programming cable download the USB driver from the web address below. Select the download link and go to the second page of the software list.

<ul> <li>○ ○ · </li> <li>○ ○ ○ · </li> <li>○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○</li></ul>	www.wouxun.com/ 输入文字提案 🔽 國兼容 🛃 🗄 建鹨
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Download, unzip and install the USB driver that is compatible with your operating system.

DOWNLOAD		No colored and
DOWNLOAD	ulı Software	www.wouxun.com
Software     User Manual     Download AD	<ul> <li><u>KG-639E PMR</u></li> <li><u>KG-699E with 5 tone</u></li> <li><u>KG-699E</u></li> <li><u>KG-819</u></li> <li><u>KG-816</u></li> <li><u>VSB For Vista</u></li> </ul>	2009-11-3 2009-10-27 2009-10-22 2009-10-20 2009-10-20 2009-10-20 2009-10-20
	USB drivers	2009-10-9 Total: 32Records Page: 2/2 Pages: 25Records <u>M</u> [1] 2

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

DOWNLOAD			APP (marked)
OWNLOAD	nh Software	W	www.wouxun.com
Software	• KG-639E (The Popular) C2		2010-5-31
User Manual	KG-669E (The Popular) C2		2010-5-31
Download AD	• KG-816		2010-5-29
	• KG-819		2010-5-29
	KG-UVD1P V1.15		2010-5-29
	KG-659E(The popular)		2009-11-14
	KG-703E(The popular)	307.94 KB	2009-11-14
	<pre>KG-659E(The upgrade)</pre>	2.3 MB	2009-11-14
	KG-703E(The upgrade)	2.3 MB	2009-11-14
	KG-703E(The advanced)	2.31 MB	2009-11-14
	KG-833(The advanced)	2.3 MB	2009-11-14
	KG-639E PMR		2009-11-3
		Total: 37Records Page: 2/2 Pag	es: 25Records 🛛 🗰 [1

#### 2. USB driver installment

Turn on the computer and confirm that the USB serial port is working as normal. Click the USB Driver file and find the sub file, click and then enter into the driver installation process



For detailed steps for installation, pls refer to the word file.



### 3. Connection

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.



# 4. Interfacing

With the transceiver correctly connected, the computer will detect its presence and automatically locate the software procedure folder. Open the folder and find the icon shown below.



Double click and enter into the programming interface as shown below. Please note that if the connections is successful, the below column will show the version information about the connected radio, including the state of connection (**Connect well with radio**), band and the right of software, etc. If the connecting is unsuccessful, the column will show the state information: **communication fault**.



#### 5. Language options

This software can support 2 options for the language setting: Chinese and English. Please choose the required **LANGUAGE** from the menu bar.



#### 6. Communication Port

Click the **COMMUNICATION PORT** on the menu bar and check the com port for the connection between the transceiver and computer. Please choose the matching com port for connection.



### 7. Channel

That shows the channel information about the radio, and it offers

**READ-WRITE-CLEAR-SAVE-OPEN-CLOSE** functions for the user to program. The user can double click the cell under each option to check and input the setting parameter according to these functional buttons.

	RX Frequency	TX Frequenc	y CTCSS/DCS	5 Dec CTCSS/DCS E	Enc TX Power	W/N PTT-I	0 OptSingal	SPUnmute	BusyLock	Comp	Emph	Scan_Add	Scrambler	SigCo
0							-							8
1			3.0				-			2			-	8
2						5				2 2				8
3							-			2	aa		-	8
4						1				2	aa			2
5													-	<i></i>
6						5	- 22	<u>.</u>		2	o		<u>.</u>	8
/							- 2			2				1
8		1	-			1	-			2			-	
9						5		8		2	0 0		s	6
11			1					<u>s</u>		2	6		-	2
12		2	-	2				5		20 - 10 				1
12						1		SF		2	0 0			2
14											0 0		-	150
15											2 2			2
16														ľ.
17												-		1
18													1	1
19														
20														
21														
22														
23														
24														
		1		2										
25							22							8
25 26														
25 26 27														

#### **Channel-READ:**

Please use this button to check the data information of the radio.

0 1 1 2 1 3 1	36.02500		01000100000000	CTCSS/DCS Enc	TX Power	W/N	PTT-ID	OptSingal	SPUnmute	BusyLock	Comp	Emph	Scan_Add	Scrambl
1 1 2 1 3 1	36.02500													
2 1 3 1	for an interaction with	136.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
3 1	36.99500	136.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
	37.02500	137.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
4 1	39.99500	139.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
5 1	40.02500	140.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
6 1	42.99500	142.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
7 1	43.02500	143.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
8 1	45.99500	145.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
9 1	46.02500	146.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
10 1	48.99500	148.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
11 1	49.02500	149.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
12 1	51.99500	151.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
13 1	52.02500	152.02500	OFF	0							FF	OFF	ON	OFF
14 1	54.99500	154.99500	OFF	Uperat	ie pro	ompt					5 FF	OFF	ON	OFF
15 1	55.02500	155.02500	OFF								FF	OFF	ON	OFF
16 1	57.99500	157.99500	OFF		Complete	e rea	ding da	ata from	the tran	sceiver.	FF	OFF	ON	OFF
17 1	58.02500	158.02500	OFF	<u>.</u>							FF	OFF	ON	OFF
18 1	60.99500	160.99500	OFF			_					FF	OFF	ON	OFF
19 1	61.02500	161.02500	OFF			ſ	确定				FF	OFF	ON	OFF
20 1	63.99500	163.99500	OFF	-		-					FF	OFF	ON	OFF
21 1	64.02500	164.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
22 1	66.99500	166.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
23 1	67.02500	167.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
24 1	69.99500	169.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
25 1	70.02500	170.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
26 1	72.99500	172.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF
27 1	73.02500	173.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF

## **Channel-Write:**

Please use this button to input the data information of the radio personally.

hannel	<b>RX</b> Frequency	TX Frequency	CTCSS/DCS Dec	CTCSS/DCS Enc	TX Power	W/N	PTT-ID	OptSingal	SPUnmute	BusyLock	Comp	Emph	Scan_Add	Scrambler	SigCod
0							1.5						Č		
1	136.02500	136.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
2	136.99500	136.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
3	137.02500	137.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
4	139.99500	139.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
5	140.02500	140.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
6	142.99500	142.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
7	143.02500	143.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
8	145.99500	145.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
9	146.02500	146.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
10	148.99500	148.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
11	149.02500	149.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
12	151.99500	151.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
13	152.02500	152.02500	OFF	0.00000	+		á.				OFF	OFF	ON	OFF	1
14	154.99500	154.99500	OFF	opera	re br	Omb	ν <b>u</b>				OFF	OFF	ON	OFF	1
15	155.02500	155.02500	OFF								OFF	OFF	ON	OFF	1
16	157.99500	157.99500	OFF		Complet	e wr	iting 1	he data	to trans	ceiver.	OFF	OFF	ON	OFF	1
17	158.02500	158.02500	OFF	-							OFF	OFF	ON	OFF	1
18	160.99500	160.99500	OFF			1					OFF	OFF	ON	OFF	1
19	161.02500	161.02500	OFF			L	确定				OFF	OFF	ON	OFF	1
20	163.99500	163.99500	OFF								OFF	OFF	ON	OFF	1
21	164.02500	164.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
22	166.99500	166.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
23	167.02500	167.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
24	169.99500	169.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
25	170.02500	170.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
26	172.99500	172.99500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
27	173.02500	173.02500	OFF	OFF	HIGH	W	OFF	OFF	QT	OFF	OFF	OFF	ON	OFF	1
											₩rit	eing	127 Ch	annel	
	Read		Write	Clear	Sa	ve		Open		Close	1				

## 8. Option

For optional features, the user can program the radio by their own. Usually, the software provides **READ-WRITE-DELECT-SAVE-OPEN-CLOSE** functional buttons. The user can reprogram the radio personally.

Channel Option Signal	Communication Language About Exit Optional Features	5	
	Time Out Timer(TOT)[S] 60 Squelch Level 5 Voice Annunciation English ABR 3 VOX 0FF Ring_Time 5 Scan_Rev T0 Save 1:3 Channel Disp Way Channel Channel Disp Way	PF1 FM Radio  PF2 Alarm PF2 Alarm Vait Back Light ON RX Back Light OFF TX Back Light OFF TX Back Light OFF TX Back Light OFF Channel Mode Menu R Reset CHT 128	<ul> <li>✓ ANI</li> <li>✓ Alarm Sound</li> <li>✓ FM Radio Enabled</li> <li>✓ Alarm Compatible With KG65X</li> <li>✓ K_Lock</li> <li>✓ Auto Lock</li> <li>✓ Beep</li> <li>PTT_Delay 10 _</li> <li>RX From 136 to 174 MHZ</li> <li>TX From 136 to 174 MHZ</li> </ul>
	There are 6 options for th Read Wite	e features programming. Default Save	Open Close
		MENUS TON	

## **Option-READ:**

Please use this button to read out the function settings of radio.

Time Out Timer(TOT)[S] 120 Squelch Level 5 Voice Annunciation Chinese	PF1 FM Radio  PF2 Alarm  Wait Back Light ON  RX Back Light ON	ANI     Alarm Sound     FM Radio Enabled     Alarm Compatible With KG6XX
Operate Pr	TX Back Light ON T	
Channel Disp Way	te reading the data from trar	136 to 174 MHZ
	CHT 128	TX From 136 to 174 MHZ Read optional parameters in gea

## **Option-WRITE:**

Please use this button to input the function settings of radio personally.

🕫 Optional Features		_ 🗆 🗙
Time Out Timer(TOT)[S] 120 Squelch Level 5 Voice Annunciation Chinese	PF1 FM Radio ▼ PF2 Alarm ▼ Wait Back Light ON ▼ RX Back Light ON ▼ TX Back Light ON ▼	ANI     Alarm Sound     FM Radio Enabled     Alarm Compatible With KG6XX     K_Lock
Channel Disp Way Channel	ing optional parameters to t 通道	he transceiver. to 174 MHZ
Read Write D	efault Save	Writing 9 Data Block
1	Mo	15 15 1g 0

## **Option-DEFAULT:**

Please use this button to restore the settings of radio originally.

Time Out Timer(TOT)[S]	60 👻	PF1 FM Radio 👻	ANI
Sauelch Level	5	PF2 Alarm 👻	Alarm Sound
		Wait Back Light ON 👻	🔽 FM Radio Enabled
Voice Annunciation	English 💌	RX Back Light OFF 🗸	Alarm Compatible With KG6XX
		TX Back Light OFF 🗸	K_Lock
ABR	3 👻	DTMF-ST	T Auto Lock
VOX	OFF -	KB DTMF Side Tone	🔽 Beep
Ring_Time	5 -		PTT Delay Ito
Scan_Rev	T0 -	Channel Mode	
Save	1:3 •	🔽 Menu	
		🔽 Reset	RX From 136 to 174 Mł
Channel Disp Way Chann	el 👻	CHT 100	TX From 120 to 174 MI

### 9. Signal-DTMF

For updated version, the radio has the DTMF Encode/Decode. This software is available for the **DTMF Encoding/Decoding programming and the ANI code settings** as below.



### **DTMF-READ:**

Please read out the DTMF data information from the radio.

Number         Code           1         12345           2         3           4	DTMF Speed (On Time) 80 - DTMF Speed (Off Time) 80 - Group Code
5 6 7 8 9 10 11 12	Operate Prompt
12 13 14 15 54321	Complete reading the data from transceiver.
Insp Master Control ID 99909 K Vice Control ID 88808 K	Andrew Stun     Revive       Monitor     Kill       Inspectior     123       Image: Stun     234       Alarm     110       Image: Stun     345       Kill     456       Revive     567
	Read Signal parameters in

### **DTMF-WRITE:**

Please write the DTMF data information into the radio.

DTMF Encode/Decode
DTMF Encode
Number         Code           1         12345           2         0           3         0           4         6           7         8
9 10 ANI Code
11     12       13     14       15     54321         通定     Complete writing Signal parameters to the transceiver.       通定     通定         通定         3         13         14         15         54321         6         17         18         18         18         19         10         10         11         12         13         14         15         17         18         18         18         18         18         18         18         18         18
Control ID code and control right Inspection Stun Revive
Monitor         Kill         Inspection         123         Monitor         234         Alarm         110           Master Control ID         99909         IV         IV
Writing 27 Data Block
Read Write Default Save Open Close

#### **DTMF-DEFAULT:**

.

Please restore the DTMF data information into the radio.

<pre>Ø DTMF Encode/Decode</pre>	
DTMF Encode	
Number         Code           1         12345           2         3           3         4	DTMF Speed (On Time) 80 -
$ \begin{array}{c} 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 13 \\ 14 \\ 15 54321 \end{array} $	ANI Code 803 Press PTT to Send RX Disable
Central ID code and control right	
Inspection Stun Revive Monitor Kill	Inspectior 123 Monitor 234 Alarm 110
Master Control ID         99909         IV         IV         IV         IV           Vice Control ID         88808         IV         IV         IV         IV         IV	Stun 345 Kill 456 Revive 567
Read Write Default Save Open Close	

#### 10. About

It shows about the version authority of the software.



#### 11. Exit

After finishing the programming, click the Exit to accomplish the programming.



