**CHIRP KG935G Experimental Driver BETA1.4 – User Interface is 80% complete**

**Settings are grouped together and ordered like they are in the Wouxun CPS.**

**Configuration Settings:**



Not Yet Implemented :

NODE SW PASSWORD

RESET PASSWORD

**VFO Settings A & B**

 

Not Yet Implemented :

Rx/Tx CTCSS/DCS Tones

COMPANDER

**FM Broadcast Memory**

All frequencies are in MHZ\*10

EXAMPLE 760 =76.0 MHZ



**KEY settings:**



**SCAN Group**



Not Yet Implemented :

SCAN A & B Upper / Lower limits for each group

**Call Settings**



Not Yet Implemented :

Call Names

**THE FOLLOWING ARE NOT CHANGED BY WOUXUN KG935G FACTORY PROGRAMMING SW OR FACTORY RESET**

**Rx Frequency Limits**



NOT IMPLEMENTED

Tx Freq Limits since they do not appear to do anything.

**OEM Info**



**UPLOAD/DOWNLOAD APPEAR TO BE WORKING AS EXPECTED –**

* **READ FROM RADIO AND SAVE A COPY OF YOUR RADIO SETTINGS WITH WOUXUN CPS SOFTWARE BEFORE USING CHIRP.**
* **UPLOAD FROM RADIO WITH CHIRP AND SAVE FILE BEFORE MODIFYING SETTINGS WITH CHIRP.**

**This allows you to recover your radio if any issues are encountered especially since some settings like  
 OEM INFO are not updated by the WOUXUN CPS Software or restored by a FACTORY RESET.**

**ERROR CHECKING IS NOT DONE ON VALUES ENTERED WHEN USING THE BROWSER TAB**

**INCORRECT/ILLEGAL/OUT OF RANGE VALUES MAY CAUSE UNDESIRED OPERATION**

**CHANNEL SETTINGS ARE ON THE MEMORIES TAB – READ THE CHIRP DOCUMENTATION FOR PROPER USE**

**Settings marked as “*unknown”* in CHIRP may or may not be used by the radio - changing these values may do nothing or may cause malfunctions – THEY HAVE NOT BEEN TESTED**

**To run CHIRP:**

**Open Application**

**Enable Developer Functions**

****

**Load Module**

****

**Select kg935g MRT test b1.4.py from the location on you computer where you stored the beta test file**

**CHIRP Background should turn red**



**Download from Radio to view your current settings**



**Select the appropriate COM PORT for your computer**



**Select WOUXUN**

**Select KG-935G**

**Read the experimental driver warnings.**



**Confirm desire to proceed.**



BROWSER TAB UTILIZES HEX/DEC/BIN/CHAR FORMATS AND DOES NOT TRANSLATE VALUES TO HUMAN READABLE MEANINGS – SEE THE TABLE BELOW FOR A CONVERSION GUIDE

**Some parameters have had their names modified since b1.3 release**

|  |  |
| --- | --- |
| *Configuration Settings* | |
| **Setting Name** | **VALUES** |
| DspBrtAct (Display Bright Act) | **0x00=0d=Off**  0x01=1d=1  ...  0x0a=10d=10  **DO NOT USE 0x00 or screen will be off while in Active mode**  WOUXUN CPS blocks 0 Value for Active Brightness |
| DspBrtSby (Display Bright Sby) | 0x00=0d=Off  0x01=1d=1  ...  0x0a=10d=10 |
| wxalert (wx-alert) | 0x00=OFF  0x01=ON |
| power\_save (Bat-Saver) | 0=OFF  1=ON |
| Theme (Theme) | 0x00=White-1  0x01=White-2  0x02=Black-1  0x03=Black-2 |
| backlight (Backlight Active Time) | 0=ON  1-20 decimal = Value in seconds. 5=5s  21 decimal = OFF |
| scan\_rev (Scan-Mode) | 0=TO  1=CO  2=SE |
| prich\_sw (Pri Channel Scan) | 0=OFF  1=ON |
| pri\_ch (Pri Channel) | Channel # in dec converted to Hex  ch10 = 10d =0x0a |
| scan\_det (Scan Mode Tone Detect) | 0=OFF  1=ON |
| ToneScnSave (Tone Scan Save) | 0=RX  1=TX  2=TX/RX |
| Roger\_Beep | 0=OFF  1=BOT  2=EOT  3=BOTH |
| timeout | #seconds/15 in Hex  Example: 840sec/15 = 56dec or 0x38 hex  MAX 900s |
| toalarm | 0=OFF  decimal value in seconds  MAX 10 |

|  |  |
| --- | --- |
| VOX | 0=OFF  0x01=01d=1Level  ...  0x0A=10d=10Level |
| VOICE | 0=OFF  1=ON |
| BEEP | 0=OFF  1=ON |
| BCL\_A (Busy Lock-A) | 0=OFF  1=ON |
| BCL\_B (Busy Lock-B) | 0=OFF  1=ON |
| smuteset | 0=OFF  1=Tx  2=Rx  3=Tx/Rx |
| ani\_SW | 0=OFF  1=ON |
| dtmf\_st | 0=OFF  1=DTMF  2=ANI  3=DTMF+ANI |
| alert | 0=1750Hz  1=2100Hz  2=1000Hz  3=1450Hz |
| PTT\_delay (PTT-DLY) | #ms/100 in decimal –  Example: 3000ms/100=30d=0x1E |
| ptt\_id (PTT-ID) | 0=BOT  1=EOT  2=BOTH |
| Ring\_time | 0=OFF  1-10 decimal = #seconds |
| rpt\_tone | 0=OFF  1=ON |
| stopwatch | 0=OFF  1=ON |
| Autolock | 0=OFF  1=ON |
| Keylock (Key Lock) | 0=OFF  1=ON |
| Ponmsg (Power On Message) | 0=MSG  1=Batt-V |
| dtmf\_tx\_time | time in ms/10 = dec  example: 190ms/10 = 19dec = 0x13hex  MINIMUM of 50ms  increments of 10ms  MAX 500ms |

|  |  |
| --- | --- |
| dtmf\_interval | time in ms/10 = dec  example: 190ms/10 = 19dec = 0x13hex  MINIMUM of 50ms  increments of 10ms  MAX 500ms |
| channel\_menu  (menu available in CH Mode) | 0=OFF  1=ON |
| node\_sw\_pwd | MUST BE 6 numeric digits - no letters |
| reset\_pwd | MUST BE 6 numeric digits - no letters |
| ScnGrpA\_Act | 0=ALL  0x01-0x0A or 1-10dec = Group 1-10 |
| ScnGrpB\_Act | 0=ALL  0x01-0x0A or 1-10dec = Group 1-10 |
| TDR\_single\_mode | 0= dual receive  1=single receive |
| main\_band | 0=A  1=B |
| *Key Settings* | |
| DispStr (Interface Display Edit)  Custom Top banner | 15 characters max |
| Ani\_code (ANI-EDIT) | 1-6 digit code enter each digit in one box |
| pf1\_shrt (PF1 Short) | 0=undef  1=scan  2=Flashlight  3=Alarm  4=SOS  5=FM Radio  6=Moni  7=Strobe  8=Weather  9=Tlk A  10=Reverse  11=CTC Scan  12=DCS Scan  13=BRT  Decimal values |
| pf1\_long (PF1 Long) | 0=undef  1=Frq2-PTT  2=Selec Call  3=Scan  4=Flashlight  5=Alarm  6=SOS  7=FM Radio  8=MONI  9=Strobe  10=Weather  11=Tlk A  12=Reverse  13=CTC Scan  14=DCS Scan  15=BRT  Decimal values |

|  |  |  |
| --- | --- | --- |
| pf2\_shrt (PF2 Short) | | 0=undef  1=scan  2=Flashlight  3=Alarm  4=SOS  5=FM Radio  6=Moni  7=Strobe  8=Weather  9=Tlk A  10=Reverse  11=CTC Scan  12=DCS Scan  13=BRT  Decimal values |
| pf2\_long (PF2 Long) | | 0=undef  1=Frq2-PTT  2=Selec Call  3=Scan  4=Flashlight  5=Alarm  6=SOS  7=FM Radio  8=MONI  9=Strobe  10=Weather  11=Tlk A  12=Reverse  13=CTC Scan  14=DCS Scan  15=BRT  Decimal values |
| *FM BROADCAST MEMORIES* | | |
| FM\_Radio(1-20) (FM Broadcast Memory Ch) | desired FM Freq(MHz)\*10 = dec => Hex  example: 101.1FM = 1011d = 0x3f3 | |
| *SCAN GROUP* | | |
| Upper(0-9) | Upper Range CH# of scan group in decimal | |
| Lower(0-9) | Lower Range CH# of scan group in decimal | |
| Paired with ScnGrpA\_Act and ScnGrpB\_Act | | |

|  |  |
| --- | --- |
| VFO Settings | |
| rxfreq | dec value\*10 = Hz  example: 46256250 dec = 462,562,500Hz or 462.562500 MHz |
| work\_mode\_a | 0=VFO  1=ChNumber  2=CHFreq  3=CHName |
| work\_mode\_b | 0=VFO  1=ChNumber  2=CHFreq  3=CHName |
| work\_ch\_a | Channel # in dec |
| work\_ch\_b | Channel # in dec |
| VFO\_repeater\_a | 0=OFF  1=ON |
| VFO\_repeater\_b | 0=OFF  1=ON |
| compander | 0=OFF  1=ON |
| mute\_mode | 0=QT  1=QT+DTMF  2=QT\*DTMF |
| step | 0=2.5k  1=5k  2=6.25k  3=10k  4=12.5k  5=25k  6=50k  7=100k |
| iswide | 0=Narrowband  1=Wideband |
| squelch | 0-9 decimal = squelch level 0-9 |
| rxtone | 0x8xxx = CTCSS where xxx = CTCSS Tone freq\*10 in decimal converted to hex 156.7\*10 = 1567 dec -> 61Fhex --> 0x861F  0x6yyy = DCS DI polarity where yyy = DCS tone # in octal converted to hex DI712 = 712o -> 1CA hex --> 0x61CA  0x4zzz = DCS DN polarity where zzz = DCS tone # in octal converted to hex DN712 = 712o -> 1CA hex --> 0x41CA  NOTE: Chirp Uses N for n DCS Tones and R for i DCS Tones |
| Txtone | 0x8xxx = CTCSS where xxx = CTCSS Tone freq\*10 in decimal converted to hex 156.7\*10 = 1567 dec -> 61Fhex --> 0x861F  0x6yyy = DCS DI polarity where yyy = DCS tone # in octal converted to hex DI712 = 712o -> 1CA hex --> 0x61CA  0x4zzz = DCS DN polarity where zzz = DCS tone # in octal converted to hex DN712 = 712o -> 1CA hex --> 0x41CA  NOTE: Chirp Uses N for n DCS Tones and R for i DCS Tones |

|  |  |
| --- | --- |
| *OEMINFO (does not appear to be reset with FACTORY RESET eg. RESET ALL)* | |
| Oem1 | Manufacturer Name |
| Oem2 | Possible firmware version – does not appear to save when changed |
| Date | Possible build date of radio – no reason to change but does save if changed |
| MODEL | **bottom banner text displayed when in single channel display mode**  **- Customizable 8 Characters MAX.** |
| Uhf\_limits  Vhf\_limits  Tx\_start  Tx\_stop  Rx\_start  Rx\_stop | **Use at your own risk**  **– May cause undesired operation/damage/void warranty**  **Receive Start/Stop**  **--** Expands ability to select a freq in the specified freq range  --performance/reception of extended ranges not tested   --total allowable range appears to be 10Mhz to 999.99999Mhz  **Specifying <10Mhz appears to force a double reset after write to radio and use of default values**  **Transmit start/stop** -- **Appears to have no effect** as radio appears to **only transmits on valid GMRS frequencies due to firmware restrictions.** |

