How to do: for Integrate a module radio in chirp

Download the lasted chirp version, at :

https://chirp.danplanet.com/projects/chirp/wiki/Download

| < → C = | https://chirp.danp | lanet.com/pro | jects/chirp/wi | ki/Download | | | | |
|---|---------------------|-----------------|--|------------------|--------------|---|-------------------------|--|
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| Accueil Projets | | | | | | | | |
| | | | | | | | | Recherche: |
| • CHIRP | | | | | | | | |
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| Home Download | Documentation | n Activité | Roadmap | Demandes | Dépôt | | | |
| | | | | | , please con | is offered as open-sour Isider contributi <mark>ng</mark> a sn | | |
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| | | VI | и 👥 👥 🔛 | | | - | | |
| CHIRP down | oads | | | | | | | |
| CHIRP is distributed as versioned by the date are ready, except wher latest build available. | on which it was cre | ated, which ma | akes it easy to | determine if y | ou have an o | der build. We don't pu | ut experimental thing | s into CHIRP before the |
| <i>Upgrading</i> : You do <u>NO</u> However, <u>be sure to qu</u> | | | | before installin | g a newer o | ne. Just install the new | r one and it will repla | ce the existing copyl |
| The CHIRP team reco | ommends CHIRP- | next unless y | ou experien | ce problems v | vith your ra | adio. If you do, please | see How_To_Report | _Issues. |
| CHIRP-next | | | | | | | | |
| | ee ChirpNextBuild | for an overview | w of what CHI | RP-next is, and | ChirpNextB | uildChanges for an ove | rview of some of the | radio drivers have been larger changes to the U |
| Download the lates | st CHIRP-next bu | ild here 🚤 | | | | | | |
| | or CHIRP-next: | | the state of the s | | | | | |

Install chirp, then open chirp.

This has to be done only once. (To enable the development mode in chirp)

| Go in Help menu and select | File | Edit | View | Radio | Hel | p |
|---------------------------------------|------|------|------|-------|-----|-------------------------|
| he Developer Mode | Welc | ome | x | | | About |
| i i i i i i i i i i i i i i i i i i i | | | | | ~ | Developer Mode |
| | | | | | | Reporting enabled |
| | | | | | | Open debug log |
| | | | | | | Show debug log location |
| | | | | | | Load module from issue |

Danger Ahead

A warning message will pop-up, accept it,

| | computer and your radio if not used with EXTREME care. You have been warned! Pro anyway? | |
|---|---|--------|
| | Oui | Non |
| Close chirp and restarted chirp to enable the development mode as chirp request it. | Restart Required | × |
| development mode as chilp request it. | Developer state is now enabled. CHIRP must be restarted to take | effect |
| | | OK |

Please note that developer mode is intended for use by developers of the CHIRP project, or

TO LOAD THE MODULE DRIVER IN TO CHIRP

Download the file UVK5_EGZUMER_F4HWN.PY from web page F4HWN : <u>https://github.com/armel/uv-k5-chirp-driver</u>



Then click on download the Raw file



It will start to download, then save it, on your computer in the download location.

Go in chirp, open **File** menu and select **Load Module...** (this menu is see only if the development mode is activated in chirp)



A warning message will pop-up click yes,

| | or both. NEVER load anywhere other than another source is akin Proceed despite this | the main CHIRP web n to giving them dire | rce you do not tru: osite (chirp.danplar | st, and especially no net.com). Loading a | t from module fr |
|--|--|---|---|--|---------------------|
|--|--|---|---|--|---------------------|

Go select the file UVK5_EGZUMER_F4HWN.PY that it save on your computer in the download location, this has you previously done. The click Open

| | | | | Rechercher dans : Télécharge | Q |
|--------------------------------------|--------------|-----------------------|-----|---|---|
| Organiser 🔻 Nouveau | ı dossier | | | | 0 |
| 📄 Images 🍌 Musique 🧊 Objets 3D | ^ | Nom | | | |
| 🖶 Téléchargements | | uvk5_egzumer_f4hwr | .ру | | |
| Vidéos | ~ | < | | | > |
| Nom | du fichier : | uvk5_egzumer_f4hwn.py | 1 | Python Files (*.py) | ~ |

On the top windows title of chirp, a message ****Module Loaded**** will show up, that mean that the module has been correctly load in chirp

| ama (| CHIRP | **Modu | ule Load | ed** 🔫 | |
|-------|-------|--------|----------|--------|--|
| File | Edit | View | Radio | Help | |
| Weld | ome | × | | | |

Now turn ON the radios that have F4HWN firmware, (Just turn the knob, without pressing any key...) when radio is ready, connect the programming cable in the radio,



WARNING: be sure to push the connector well in to the radio, on some connector, it need to trim a little bit the plastic case of the programming cable to be able to push it completely

Example of programming cable:



Connect the other end of the programming cable in your computer. Windows should detect and install the driver automatically and assign a communication port number.

In chirp, go in menu **Radio**, select **Download from radio...** to read all the data from the radio to chirp

| File Edit View | Radio | Help | | |
|----------------|-------|-----------------------|------------|--|
| Welcome X | D | ownload from radio | Alt+D | |
| | L | Ipload to radio | Alt+U | |
| | c | Juery Source | 3 | |
| | ✓ E | nable Automatic Edits | | |
| | S | elect Bandplan | | |
| | R | eload Driver | Ctrl+R | |
| | R | eload Driver and File | Alt+Ctrl+R | |
| | Ir | nteract with driver | | |

In the windows Communication with the radio.

- 1: Select the communication **Port** where is the programming cable is connected on the computer, in my example, it's COM3,
- 2: Select the Vendor. (Quansheng),
- 3: Select the **Model**
- 4: Their will be 2 menu UV-K5, the original From Chirp and the new one for F4HWN, select the **UV-K5 (egzumer + f4hwn)**
- 5: click OK

| Port | COM3: USB-SERIAL CH340 (COM3) | ~ |
|--------|-------------------------------|---|
| Vendor | Quansheng | v |
| Model | UV-K5 (egzumer + f4hwn) | Ŷ |
| | TG-UV2+ UV-K5 | |
| - | UV-K5 (egzumer + f4hwn) | |

A warning message from chirp will pop-up, select the **do not prompt again** if you don't want to see it, each time you read the radio. Click **OK** Experimental driver ×
This is an experimental driver for the Quansheng UV-KS. It may harm your radio, or worse. Use at your own risk.
Before attempting to do any changes please downloadthe memory image from the radio with chirp and keep it. This can be later used to recover the original settings.
some details are not yet implemented
OK
OK

A download instruction window will pop-up

select the **Do not prompt again...** to not see this message again when download from this radio Model, then Click **OK**

| Download instructions X |
|--|
| 1. Turn radio on. |
| 2. Connect cable to mic/spkr connector. |
| Make sure connector is firmly connected. |
| Click OK to download image from device. |
| It may not work if you turn on the radio with the cable already attached |
| Do not prompt again for Quansheng UV-K5 |
| OK Cancel |
| |

The communication with the radio will start downloading the data radio to the computer, wait to the end.

| Port | COM3: USB-SERIAL CH340 (COM3) | |
|--------|-------------------------------|--|
| Vendor | Quansheng | |
| Model | UV-KS (UV) | |
| | Downloading from radio | |

A new tab will show up, **Quansheng_UV-K5 (egzumer + f4hwn)** with all the data read from the radio. The data in tab **Memories** and **Settings** can be change. In the tab **Browser** and **Info** it can be view only and uses mostly for development mode.

| | CHIRP | (Quans | heng_U | W-K5 (| egzum | er + f4hwn)_202 | 402 |
|------|----------|--------|----------|---------|-------|-----------------|-----|
| File | Edit | View | Radio | Help | 2 | | |
| Qua | nsheng | JUV-KS | ő (egzur | mer + f | 4hwn) | _20240217.img* | × |
| Me | Memories | Settin | ngs Br | owser | Info | | |
| | | | Fr | equen | cy | Name | |

| Now, save the reading of the radio as a reference, if | File | | | | IV-K5 (IJV)_20 Help | 240105.ir | mg) |
|---|------|--------------|---------------------------------|--------|------------------------|----------------|----------|
| you want in menu File then Save or Save As | | Open Open | Windov Stock (Recent | Config | Ctrl+Shit Ct | rl+O > > | ie te |
| | | Save | As | | Alt+C | rrl+S rrl+S | |
| | | Expo | rt from t to CS Module | V | C | rrl+E | |

Make the modification you want, save the modification if you want to keep the data.

When ready to send the data to the radio, go in menu **Radio** and select **Upload to Radio...**

Email CHIRP (Quansheng_UV-K5 (UV)_20240105.img) File Edit View Radio Help Quansheng_UV-K5 Download from radio... Memories Settir Upload to radio... Alt+U

| ansheng | UV-K5 | | Download from radio | Alt+D | |
|---------|--------|---|------------------------|------------|------|
| emories | Settir | | Upload to radio | Alt+U | |
| | | | Query Source | > | Tone |
| 1 | | ~ | Enable Automatic Edits | - | |
| 2 | | | Select Bandplan | | |
| 3 | | | Reload Driver | Ctrl+R | |
| 4 | | | Reload Driver and File | Alt+Ctrl+R | |
| 5 | | | Interact with driver | | |
| 6 | | - | 43.023000 CHO05 | IOUL | |

| | Communic | cate with radio | × |
|---|----------|-------------------------------|---|
| A Window | | | |
| Communication with radio will pop-up, | Port | COM3: USB-SERIAL CH340 (COM3) | ~ |
| but now, it's just the | Vendor | Quansheng | |
| Port can be selected, as the Vendor and Model is know, click OK to start uploading to the | Model | UV-K5 (egzumer + f4hwn) | ~ |
| radio | OK | Cancel | |

| A window Upload | Upload instructions | × |
|--|--|---|
| instructions will | | |
| pop-up | 1. Turn radio on. | |
| select the Do not | Connect cable to mic/spkr connector. Make sure connector is firmly connected. | |
| prompt again to | 4. Click OK to upload the image to device. | |
| not see this | It may not work if you turn on the radio with the cable already attached | d |
| message again | | |
| when Upload from this radio model, if | | |
| you want, then | Do not prompt again for Quansheng UV-K5 | |
| click OK | | |
| | OK Cancel | |
| | | |
| | | |

| | Communic | ate with radio | \times |
|--|----------|-------------------------------|----------|
| The windows Communication with radio will start to | Port | COM3: USB-SERIAL CH340 (COM3) | ~ |
| Uploading the chirp | Vendor | Quansheng | ~ |
| data to the radio, wait to the end. | Model | UV-K5 (egzumer + f4hwn) | ~ |
| | _ | Uploading to radio | |
| | OK | Cancel | |

When Complete, the radio will reboot it self. Then the radio is ready for uses with your new data.

Disconnect the programming cable.

Enjoy your new programming.

Calibration Upload

This section of memory need to be uses with care, if not may brake your radio. !!!!

To send all the calibration setting and **only the calibration setting** will be sent. You need to select this box.

| Quansheng_UV-K5 (egzumer + f4hwn)_20240218.img* | K | | | |
|---|--------------------|---|-----------------------------------|--|
| Memories Settings Browser Info | | | | |
| Basic Settings Advanced Settings Programmable Keys DTMF Settings Scan Lists Unlock Settings FM Radio Driver Information + Link to get latest driver F4HWM Calibration | Upload calibration | | = | To Upload to the radio only the setting in the calibration section, you need to check the case, then upload to the radio |
| A warning message will | Warning | | | × |
| pop-up, read it , and if you agree, click OK. | You are Make s | tion may brake your r e doing this at your ow ure you have a workin use it unless you know | n risk. Ig calibration backup. | |
| | | | OK Annul | er |
| Make the modification | File Edit View | heng_UV-K5 (UV)_20240105 Radio Help | i.img) | |
| you want to do, When | Quansheng_UV-K5 | Download from radi | io Alt+D | |
| ready to send the data to | Memories Settir | Upload to radio | Alt+U | |
| the radio, go in menu | | Query Source | > | Tone |
| Radio and select | 1 | Enable Automatic Ed | dits | TOIL |
| Upload to Radio | 2 | Select Bandplan | | |
| Cpidad to Kadio | 3 | Reload Driver | C11.0 | |
| | 4 | | Ctrl+R | |
| | 5 | Reload Driver and Fi | le Alt+Ctrl+R | |
| | 6 | Interact with driver | 1302 | |
| Select the Port, then click | | cate with radio | | × |
| The windows | | ñ | | |

Communication with radio will start to Uploading the chirp calibration to the radio, it will be quick.

| ate with radio | × | | |
|------------------------------------|--|--|--|
| Port COM3: USB-SERIAL CH340 (COM3) | | | |
| Quansheng | ~ | | |
| UV-K5 (egzumer + f4hwn) | ~ | | |
| Uploading to radio | | | |
| Cancel | | | |
| | Quansheng UV-K5 (egzumer + f4hwn) Uploading to radio | | |

When finish, uncheck the box Upload Calibration.

F4HWN Upload

All the setting for F4HWN need to be sent separately to the radio.

The F4HWN setting are locate in the menu Basic Setting, on the first section.

| Basic Settings | ====== F4HWN, Begin Setting, if this area need to be upload select the | : upload F4HWN==== ================================ |
|---|--|---|
| - Advanced Settings | Upload F4HWN setting to radio | |
| Programmable Keys DTMF Settings Scan Lists Unlock Settings FM Radio Driver Information + Link to get latest driver F4Ht Calibration | Set the power LOW level to specific power (SetLow) | 250mW |
| | Ptt Mode, Set how react the ptt (SetPtt) | CLASSIC |
| | Set TX timeout indicator (SetTot) | ALL |
| | Set End Of Transmission indicator (SetEot) | VISUAL |
| | F4HVN Set Contrast Level (SetCtr) | 14 |
| | Set inverse Icd (SetInv) | OFF |
| | Lock the PTT when keypad is lock (SetLck) | KEYS+PTT |
| | Display the Smeter style (SetMet) | TINY |
| | Example 2 | |

Make the modification setting you want , when ready to send all the F4HWN setting and **only the F4HWN setting** will be sent. You need to select this box.

| ====== F4HWN, Begin Setting, if this area need to be upload select the upload F4HWN=== | | |
|--|-------|---|
| Upload F4HWN setting to radio | | $\langle \neg \neg$ |
| Set the power LOW level to specific power (SetLow) | 250- | -W |
| Ptt Mode, Set how react the ptt (SetPtt) | CLA | Upload F4HWN: this section of feature is in a different range of memory. So it need to be upload to the radio separately, check this case to upload ONLY |
| Set TX timeout indicator (SetTot) | ALL I | and ONLY all the section of F4HWN feature to the radio. It will be realy fast |
| Set End Of Transmission indicator (SetEot) | VIS | to upload, then the radio will reboot. After uploading, uncheck the case to be able to upload all other feature |
| Set Contrast Level (SetCtr) | 14 | |
| | | |

Make the modification you want to do, When ready to send the data to the radio, go in menu **Radio** and select **Upload to Radio...**

| File Edit | View | Radio | Help | | |
|-----------------------|--------|-------|--|------------|------|
| Quansheng | UV-KS | 0 | ownload from radio | Alt+D | |
| Memories | Settir | L | pload to radio | Alt+U | |
| | | C | Query Source | > | Tone |
| 1 2 3 4 5 | | ✓ E | Enable Automatic Edits | | |
| | | S | Select Bandplan | | |
| | | R | Reload Driver Ctrl+R | | |
| | | R | eload Driver and File | Alt+Ctrl+R | |
| | | h | Interact with driver | | |
| 6 | | 1143 | 023000 CHO03 | IDUL | |

Select the Port, then click OK

The windows Communication with radio will start to Uploading the chirp calibration to the radio, it will be quick.

| ommunic | ate with radio | × |
|---------|-------------------------------|---|
| Port | COM3: USB-SERIAL CH340 (COM3) | |
| /endor | Quansheng | |
| Model | UV-K5 (egzumer + f4hwn) | |
| | Uploading to radio | |
| OK | Cancel | |

When finish, uncheck the box Upload F4HWN.

How to Change CHIRP Language

To force chirp in english, you need to change the windows parameter, because chirp select the language from it. First close Chirp. Then in Windows Menu



UFF

Now,Start Chirp, it will display it in english.

Enjoy.