# How to do: for Integrate a module radio in chirp

Download the lasted chirp version, at :

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

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		Developmer software, fre	nt of CHIRP is e of charge. I	an all-voluntee f you like CHIRI donatio	r effort and i ?, please con on:	is offered as open-sour Isider contributi <mark>ng</mark> a sn	rce nall	
			Donate via	PayPal		Donate via bitcoin		
			Donat	e		₿		
		V	а <b>с.</b> с. с.					
CHIRP downl	oads ¶							
CHIRP is distributed as versioned by the date or are ready, except when atest build available.	a series of auton in which it was c e specifically calle	natically-general reated, which m ed out with a wa	ted builds. Any akes it easy to rning. Th <mark>u</mark> s, y	r time we make determine if y ou do not need	a change to ou have an o to worry ab	o CHIRP, a build is crea older build. We don't pu out finding a stable ve	ted for it the next d ut experimental thin rsion to run. <i>You sh</i>	ay. Thus, CHIRP is gs into CHIRP before the ould always be on the
<i>Jpgrading</i> : You do <u>NOT</u> lowever, <u>be sure to qu</u>	need to uninstal	II an existing ver nstalling the nev	sion of CHIRP	before installin	g a newer o	ne. Just install the new	one and it will repla	ace the existing copyl
The CHIRP team reco	mmends CHIR	P-next unless	ou experien	ce problems v	vith your ra	adio. If you do, please	see How_To_Report	_Issues.
CHIRP-next								
The next-generation ve converted yet. Please s Drivers that have not b	rsion of CHIRP is ee ChirpNextBuil een validated wit	now available fo d for an overvie th CHIRP-next ar	or general use w of what CHI re denoted by	I This has the l RP-next is, and an asteriolog(*)	atest and gro ChirpNextB symbol on t	eatest set of features a uildChanges for an ove he supported model lis	ind fixes, but not all rview of some of the it on the Home page	radio drivers have been a larger changes to the U
Download the lates	t CHIRP-next b	ouild here 🚤						
			the second s	_				

Install chirp, then open chirp.

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

Go in <b>Help</b> menu and select	File	Edit	View	Radio	Hel	p
he <b>Developer Mode</b>	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

anger Ahead

anyway?

A warning message will pop-up, accept it,

		Oui Non
Close chirp and restarted chirp to enable the	Restart Required	)
development mode as chirp request it.	Developer state is now enabled. CHIRP mu:	st be restarted to take effect

Please note that developer mode is intended for use by developers of the CHIRP project, or under the direction of a developer. It enables behaviors and functions that can damage your computer and your radio if not used with EXTREME care. You have been warned! Proceed

OK

×

## 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,

	anywhere other th another source is Proceed despite t	ad a module i han the main C akin to giving his risk?	CHIRP website ( them direct acc	chirp.danplane chirp.to your co	et.com). Loading	a module fro rything on it!
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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

> · 🛧 🖡 > Ce	PC > Télécharg	jements 🗸	Ū,	Rechercher dans : Télécharge	م
Organiser 🔻 Nouveau	ı dossier				6
📄 Images 🍌 Musique 🧊 Objets 3D	^ No	om			
🖶 Téléchargements		uvk5_egzumer_f4hwn.	ру		
Vidéos	~ <				>
Nom	du fichier : uvk5	egzumer_f4hwn.py	~	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

en Cl	HIRP	**Modu	ule Load	ed**	
File	Edit	View	Radio	Help	
Welco	me	×			

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 ×	C	lownload 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	Ý
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** 

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	×
1. Turn radio on.	
3. Make sure connector is firmly connected.	
4. Click OK to download image from device.	
It may not work if you turn on the radio with the cable a	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.

E.I.	CHIKP	Quans	neng_u	V-K3 (	egzüme	er + 14nwn)_20240/
File	Edit	View	Radio	Help	)	
Qua	nsheng	JUV-K	ő (egzur	mer + f	4hwn)_	20240217.img* ×
Me	mories	Settin	ngs Br	owser	Info	1
			Fr	equen	cy	Name

	neih
New	Ctrl+N
New Window	Ctrl+Shift+N
Open	Ctrl+O
Open Stock Config	>
Open Recent	> te
Save	Ctrl+S
Save As	Alt+Ctrl+S
Import from file	
Export to CSV	Ctrl+E
P P C C S S I E L	New Window Open Open Stock Config Open Stock Config Open Recent Save Save As mport from file ixport to CSV coad Module

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...** 

# Emilie CHIRP (Quansheng\_UV-K5 (UV)\_20240105.img) File Edit View Radio Help Quansheng\_UV-K5 Download from radio... Memories Settir Upload to radio...

insheng_	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 CH005	IDUL	

	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	
<b>Port</b> can be selected, as the <b>Vendor</b> and <b>Model</b> is know, click <b>OK</b> to start uploading to the	Model	UV-K5 (egzumer + f4hwn)	~
radio	OK	Cancel	

A window Upload	Upload instructions	×
instructions will		
իօի-սի	1. Turn radio on.	
select the <b>Do not</b>	<ol> <li>Connect cable to mic/spkr connector.</li> <li>Make sure connector is firmly connected.</li> </ol>	
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		
this radio model, if you want, then click <b>OK</b>	Do not prompt again for Quansheng UV-K5	
	OK Cancel	

	Communic	ate with radio	×
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.	This op You are Make s Don't u	ntion may brake your ra e doing this at your owr ure you have a working use it unless you know v	dio!!! n risk. g calibration backup. vhat you're doing.	
			OK Annul	er
Make the modification	File Edit View	heng_UV-K5 (UV)_20240105.i Radio Help	mg)	
you want to do, When	Quansheng_UV-K5	Download from radio	Alt+D	
ready to send the data to	Memories Settir	Upload to radio	Alt+U	
the radio, go in menu		Query Source	>	Tone
<b>Radio</b> and select		Fnable Automatic Edi	ts	TOIL
Unload to Padio		Select Bandplan	-	
Cpidad to Kadio	3		01.0	
	4	Reload Driver	Ctri+R	
	5	Reload Driver and File	Alt+Ctri+K	
	6	143.023000 CHOUS	1302	
Select the Port, then click	Communiv	cate with radio		×
The windows				

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

Communic	ate with radio	×
Port	COM3: USB-SERIAL CH340 (COM3)	
Vendor	Quansheng	~
Model	UV-K5 (egzumer + f4hwn)	~
_	Uploading to radio	
OK	Cancel	

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	Set the power LOW level to specific power (SetLow)	250mW
- DTMF Settings	Ptt Mode, Set how react the ptt (SetPtt)	CLASSIC
-Scan Lists	Set TX timeout indicator (SetTot)	ALL
- EM Radio	Set End Of Transmission indicator (SetEot)	VISUAL
Driver Information + Link to get latest driver F4HVN	Set Contrast Level (SetCtr)	14
Calibration	Set inverse Icd (SetInv)	OFF
	Lock the PTT when keypad is lock (SetLck)	KEYS+PTT
	Display the Smeter style (SetMet)	TINY
	N ====== F4HWN, End Setting ====================================	

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	
Set the power LOW level to specific power (SetLow)	250
Ptt Mode, Set how react the ptt (SetPtt)	CL4 it need to be upload to the radio separately, check this case to upload ONLY
Set TX timeout indicator (SetTot)	ALL 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
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	1	Download from radio	Alt+D	
Memories	Settir	1	Upload to radio	Alt+U	
			Query Source	>.	Tone
1		~ 1	Enable Automatic Edits		
2		3	Select Bandplan		
3		1	Reload Driver	Ctrl+R	
4		1	Reload Driver and File Alt+Ctrl+R		
5		1	nteract with driver		
6		114.	1.02.JUUU CHUUS	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.