joaquimorg /
uv-k5-firmware-custom

<> **Code**   ⊙ Issues   12   ⤵ **Pull requests**   1   ▷ Actions   ⚠ Security   ⬿ Insights

Open implementation of the Quansheng UV-K5/K6/5R firmware

🔗 **www.joaquim.org**

⚖ Apache-2.0 license

☆ **77** stars   ⑂ **292** forks   ⊙ **12** watching   ⑂ **3** Branches   🏷 **0** Tags   ⌁ Activity

🌐 Public repository · Forked from egzumer/uv-k5-firmware-custom

new_ui ⌄   ⅊ 3 Branches   ⬙ 0 Tags   ⅊   ⬙   🔍 Go to file   t   Go to file   +   Add file ⌄   Code   ⋯

This branch is 197 commits ahead of, 13 commits behind egzumer/uv-k5-firmware-custom:main .

👤 **joaquimorg** build clean up, and other internal changes...   3 days ago   ⚫⚫⚫   🕐

📁 .github/workflows	Workflow test	4 months ago
📁 app	more internel rewrite, keyboard task, etc..	4 days ago
📁 apps	build clean up, and other internal chang…	3 days ago
📁 bsp/dp32g030	Back-light PWM	7 months ago
📁 driver	build clean up, and other internal chang…	3 days ago
📁 external	add FreeRTOS	4 months ago
📁 firmware	build clean up, and other internal chang…	3 days ago
📁 gui	more settings fix...	3 weeks ago
📁 hardware/dp32g030	Initial commit	8 months ago
📁 helper	build clean up, and other internal chang…	3 days ago
📁 images	update readme	3 weeks ago
📁 radio	build clean up, and other internal chang…	3 days ago
📁 tasks	build clean up, and other internal chang…	3 days ago
📁 ui	build clean up, and other internal chang…	3 days ago
📁 utils	build clean up, and other internal chang…	3 days ago
📄 .gitignore	build clean up, and other internal chang…	3 days ago
📄 Doxyfile	Doxygen: Enable Code Browser	5 months ago
📄 FreeRTOSConfig.h	add FreeRTOS	4 months ago
📄 LICENSE	Initial commit	8 months ago
📄 Makefile	build clean up, and other internal chang…	3 days ago
📄 README.md	Fix readme	3 weeks ago
📄 board.c	making freertos working....	4 months ago
📄 board.h	Refactor	6 months ago
📄 debugging.h	degug, CT CD decoding	2 months ago
📄 dp32g030.cfg	Initial commit	8 months ago
📄 firmware.ld	Retain space saving benefits when not u…	7 months ago
📄 init.c	init.c: Declare loop variables in the loop	5 months ago
📄 main.c	degug, CT CD decoding	2 months ago
📄 misc.c	more internel rewrite, keyboard task, etc..	4 days ago
📄 misc.h	more internel rewrite, keyboard task, etc..	4 days ago

📄 printf_config.h	Removed floating point stuff	8 months ago
📄 settings.c	build clean up, and other internal chang…	3 days ago
📄 settings.h	build clean up, and other internal chang…	3 days ago
📄 sram-overlay.c	README.md	8 months ago
📄 sram-overlay.h	Initial commit	8 months ago
📄 start.S	making freertos working....	4 months ago
📄 version.c	show version on welcome msg	5 months ago
📄 version.h	PTT release denoise update	8 months ago

📖 **README**   ⚖️ License   ✏️ ☰

UV-K5 Open Radio Firmware

..... Work in PROGRESS - not for everyday use

> ⚠️ Warning
>
> To test this version you must bear in mind that it can corrupt the data in the eeprom, so you must make a backup before using this version.
>
> **In this version, many of the core components are being rewritten, not all features will be available and may never be.**
>
> **If you want to have a more stable FW and even with more features, I advise you to look at other options.**
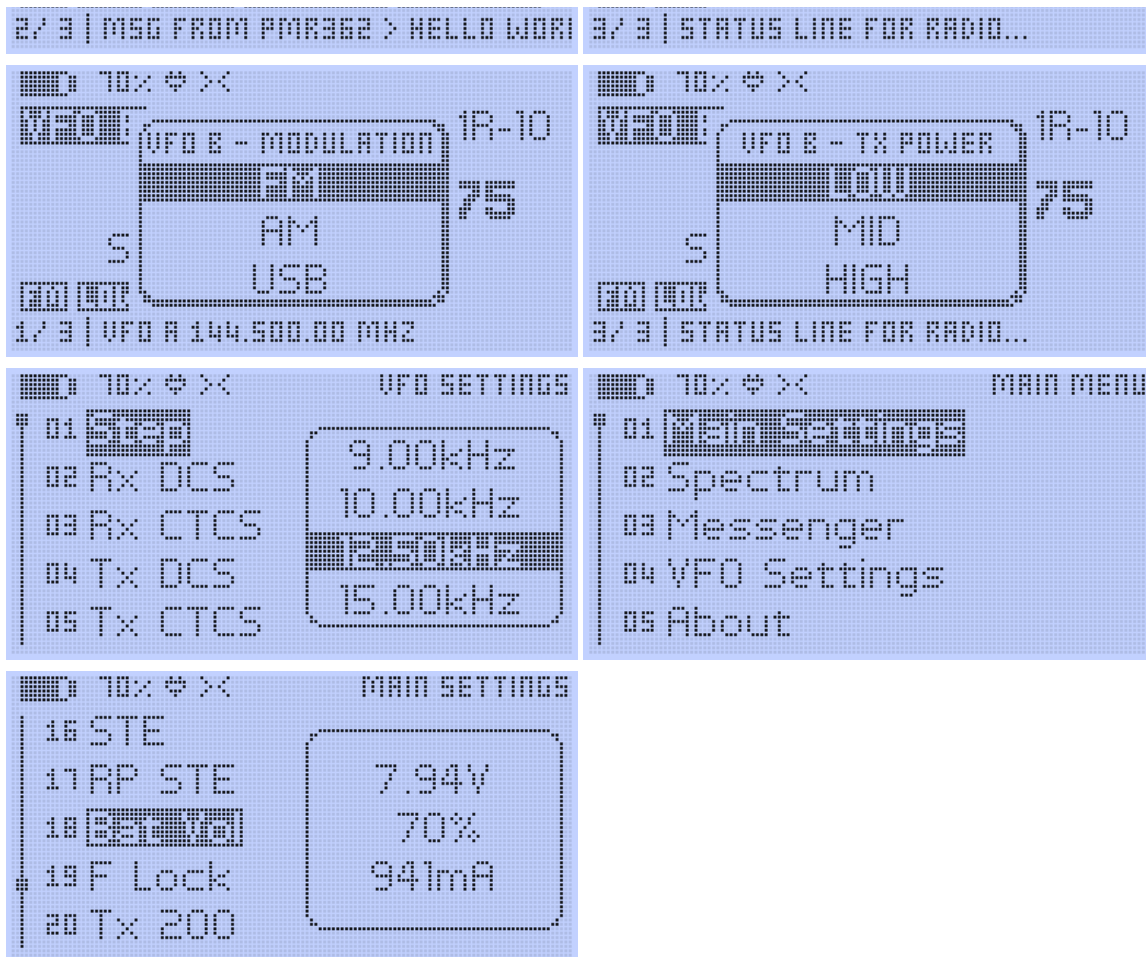
Major changes in this version

- New graphic functions and fonts, based on Adafruit-GFX-Library
- New interface
- Using FreeRTOS
- and others....

Key functions

In VFO

- M = Current VFO settings
- F + M = Main Menu
- F + 4 = Bandwidth
- F + 5 = Modulation
- F + 6 = TX Power

Open implementation of the Quansheng UV-K5/K6/5R firmware

Based on *egzumer* repository and the work of DualTachyon's open firmware found [here](#) ... a cool achievement !

> ⚠ Warning
>
> *Use this firmware at your own risk (entirely). There is absolutely no guarantee that it will work in any way shape or form on your radio(s), it may even brick your radio(s), in which case, you'd need to buy another radio.*

> ⚠ Warning
>
> *After some unfortunate incidents by users I'm going to put this warning and disclaimer up. DO NOT attempt to transmit without the proper precautions in place. Transmitting 5W of RF energy centimetres away from a PC can LITERALLY destroy it, it's almost like an EMP at that distance. Get your antenna away from the PC.*

Anyway, have fun.

Credits

Many thanks to various people:

- [egzumer](#)
- [DualTachyon](#)
- [Mikhail](#)
- [@Matoz](#)
- [OneOfEleven](#)

Other sources of information

ludwich66 - Quansheng UV-K5 Wiki

ludwich66 - Quansheng UV-K5 Wiki
amnemonic - tools and sources of information

License

Releases

No releases published

Languages

- **C** 97.2%
- **Makefile** 1.1%
- **C++** 1.1%
- **Assembly** 0.3%
- **Batchfile** 0.2%
- **Python** 0.1%