kamilsss655 /
uv-k5-firmware-custom

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Feb 3

🟣 kamilsss655   🏷 v.20.5   -○- b655393 ✅   Compare ▾

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> 💡 Tip
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🔲**FLASH WITH A BROWSER**🔲

Features:

- ✨✨ **new messenger modulations available in menu** `MsgMod` ✨✨
  - `FSK 450` - for bad conditions
  - `FSK 700` - for medium conditions
  - `AFSK 1.2K` - for good conditions
- new messenger menu options:
  - `MsgEnc` - determines whether outgoing messages will be encrypted
  - `MsgRx` - determines whether fsk modem will listen for new messages
  - `MsgAck` - determines whether the radio will automatically respond to messages with ACK

Fixes:

- FSK audio mute will be disabled when listening to CTCSS enabled channels (if it causes more random mutes, it will be disabled completely, it can now also be

disabled with `ENABLE_MESSENGER_FSK_MUTE` Makefile flag)

- slightly lowered FSK TX deviation for 25k bandwidth

▾ **Assets**   4

📦 **firmware.bin** 59.4 KB	Feb 3
📦 **firmware.packed.bin** 59.5 KB	Feb 3
🗄 **Source code** (zip)	Feb 3
🗄 **Source code** (tar.gz)	Feb 3

😊 👍 13 ❤️ 4 🚀 3 14 people reacted

Feb 2

🌎 kamilsss655 🏷 v.20.4 ⦾ 5fbb556 ✅ Compare ▾

release v.20.4

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Fixes:

- fix #111 false positive message rx
- fix #116 Triggering the 1750 Hz tone by pressing PTT+Fn2 also triggers actions

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😊 👍 2 ❤️ 3 5 people reacted

Feb 2

🌎 kamilsss655 🏷 v.20.3 ⦾ faf4947 ✅

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release v.20.3
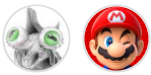
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Fixes:

- fix: messenger long message ack display
- fix: `ENABLE_MESSENGER_UART` Makefile flag by **@cb1986ster** by importing appropriate changes from **@spm81**

Changes:

- acked messages display `+` sign at the beginning of the message line, instead of the end of the line

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Contributors

cb1986ster and spm81

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☺   👍 1   🎉 1   2 people reacted

Feb 1

🌐 kamilsss655   🏷 v.20.2.1   ⦾ 4bf3da5 ✅   Compare ▾

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Fixes:

- fix [#118](#) audio stops randomly

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Jan 31

🌐 kamilsss655   🏷️ v.20.2   ⦾ eaadce9 ✅   Compare ▾

release v.20.2

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Fixes:

- fix [#68](#) mic on during messenger tx
- fix [#114](#) backlight switched to high if you scroll down through settings
- fix: messenger only ACK message and encrypted message packets
- fix: enc key initialization after boot
- fix: spectrum auto frequency step was wrong when frequency spectrum was entered for the first time after boot
- other minor fixes and adjustments to messenger

Changes:

- `RP STE` menu item removed *(undocumented functionality that didn't work anyway)*

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Jan 30

🌐 kamilsss655   🏷️ v.20.1   ⦾ 8333de6 ✅   Compare ▾

release v.20.1

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Features:

- spectrum attenuate, blacklist, normalize functions are now available in
  - channel mode
  - frequency mode
  - scan range mode
- there were a lot of confusion even for me with the different keybindings across different spectrum modes, so now key bindings are unified across all spectrum modes:
  - `KEY FN1` blacklist
  - `KEY FN2` attenuate
  - `KEY 2` normalize
  - `KEY 8` toggle backlight
- attenuate usage has been simplified so now it can be applied anytime to current peak bar
- spectrum attenuate, blacklist, normalize modifiers reset if we switch spectrum modes

Changes

- spectrum attenuate function doesn't work when there are more than 128x samples, so it cannot be activated in such case to prevent errors
- spectrum frequency change step adjustment with `KEY 2` and `KEY 8` has been removed and is now always auto-adjusted to half a spectrum bandwidth, and its display have been replaced with status indicators for blacklist and attenuate functions

Fixes:

- fixed messenger to work reliably with all the channel bandwidths
  - deviations for all the channel bandwidths have been calibrated
- 🎉 fix [#106](#) by a new developer **@T1MOXA** who found the bug and submitted the first contributor pull request for this project 🎉

🎉 Also shout out to **@ErikS-web**, who is doing a great job working on the Wiki! 🎉

Contributors

T1MOXA and ErikS-web

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😊   👍 3   🎉 4   ❤ 2   8 people reacted

Jan 26

kamilsss655   🏷 v.20   ⟜ d7c27d0 ✅   Compare ▾

release v.20

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Features:

- ✨✨ **new ChaCha20 256 bit encryption for the messenger** ✨✨
  - allows sending and receiving encrypted messages
  - new `EncKey` menu item
  - for more details please see the encryption
  - if you are testing with two radios locally make sure:
    - TX on LOW power
    - use 25k bandwidth
    - make sure there is at least 1 meter distance between two devices

Fixes:

- issue #68 fixed

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Jan 22

kamilsss655   🏷 v.19.10   ⦿ 047b1fb ✅   Compare ▾

release v.19.10

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Fixes:

- fixed #90 `DUAL WATCH RESPOND` not responding on the right frequency
- radio transmitted 1kHz tone if screen was dimmed (reported by LordVertice at egzumer#405)
- memory channel copy to VFO was bugged, when PTT pressed it transmitted on a different frequency
- fixed #86 by importing **@egzumer** fix

Contributors

egzumer

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Jan 21

kamilsss655   🏷 v.19.9   ⦿ 9927294 ✅   Compare ▾

release v.19.9

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Fixes:

- fix AM audio clipping in spectrum bug introduced in `v.19.4`
  - the sticky squelch solution was resetting the AGC during RX, so the audio was overloaded each time the AGC was reset
- [#76](#) - remove beep on startup option
- add slight delay to spectrum RSSI read during active RX to save battery life
- charging indicator turned off, as it doesn't work anyway

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Jan 20

🧑 kamilsss655   🏷 v.19.8   ⊶ 12bf25a ✅   Compare ▾

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release v.19.8

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Features

- ✨✨ **new spectrum channel mode attenuate function** ✨✨
  - sometimes there is a channel that has some interference, opening squelch randomly etc., before we had to either blacklist such channel or move the squelch threshold line higher, with this feature we can just attenuate particular channel
  - in order to use it press `F2` when RX is on, it will apply attenuation to the currently listened channel
- ✨✨ **new spectrum channel mode indicators** ✨✨
  - `BL` - blacklist applied indicator
  - `ATT` - attenuation applied indicator

- `N(0x)` - normalization function applied indicator
  - screen auto-adjusts after normalization function has been applied

Changes

- key assignment changes in spectrum channel mode:
  - `KEY 2` normalization function toggle
  - `KEY 8` backlight toggle

Fixes

- fixed normalize function toggle to work more reliably (previous release fix)

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