



kamilsss655 /
uv-k5-firmware-custom



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42 - Messenger

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ErikS-web edited this page on Feb 24 · 25 revisions

Thanks to great work of @joaquimorg, we now have the **new Messenger Feature**

F+ MENU activates Messenger

Keys

- * - Change keyboard, Upper case, Lower case, Numeric.
- 0 - Space, except in numeric mode.
- F - Backspace
- Long-press F - Clear all messages
- UP - Recalls last sent message
- M - Transmits message in the frequency of active VFO.
- Exit - Close application



Note

- When the radio is on the correct frequency and a message is received, but messenger not active on screen, you get an audio notification and a envelope -sign is on the screen.
- The receiving radio does a Confirmation - TX with Green-LED (not RED)
- When that **confirmation** is correctly received on the initial radio, an + -sign is printed at the *beginning of the message line*.



✨ **NEW Encryption** ✨

- The messenger now uses *ChaCha20 256 bit encryption*.
 - Allows sending and receiving encrypted messages between radio's with the same EncKey, or initially loaded via Settings with Chirp
 - The encryption key can be changed with menu item new 48. EncKey
 - Encryption can NOT be switched ON/OFF with menu item new 49. MsgEnc
 - This new Messenger is not completely backwards compatible with (receiving from) old version (< rel 20)
 - Make sure there is at least 1 meter distance between two devices

The encryption technique is explained in details in a [separate chapter Encryption](#)

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<https://github.com/kamilsss655/uv-k5-firmware-custom.wiki.git>

