

N6HAN DX FT8 FIRMWARE DETAILS:

V0.3

Compared to v0.2, this release is mainly about UI improvements. Major ones:

- From AG6AQ Wei: support keyboard editing for free text 1 & 2
- Touching the right area toggles between the current TX state and the logs of the worked stations
 - By default, the right area has 2 lines. The top line is for the TX message. Depending on its color:
 - Red text on black means the message has been scheduled for transmission in the next 15s slot
 - White text on red means the message is being transmitted
 - The second line indicates the current QSO state machine state. The first field is the DX station. The second field is the abbreviation of the 6 states (see definition on page 5 of https://wsjt.sourceforge.io/FT4_FT8_QEX.pdf). The third field is how many times the message has been transmitted.
 - CALL: Calling
 - RPLY: Replying
 - RPRT: Report
 - RRPT: Roger Report
 - RGRS: Rogers
 - SOFF: Signoff
 - If you touch the right area, it changes the display to show the worked stations since power-on. The format is
 - Time (HHMM) Band (like 40, 17, etc) DX callsign (display up to 12 characters) Rx SNR (if there's room to fit) Tx SNR (if there's room to fit)
 - All the buttons related to CQ and free text are now synchronized. There will always be one and only one selected.
 - Reenable decode of own transmission - displayed in yellow (same as WSJT-x)

The latest release, version 0.3, marks a major milestone. Not only does it offer a WSJT-X-like user experience, but it also includes several convenient features. Here are a few highlights:

1. If you tap a received message within 5 seconds, DXFT8 will immediately start transmitting—no more waiting cycles. If you wait longer than 5 seconds, the transmission will be scheduled for the next appropriate slot (to save batteries).
2. Tapping the right side of the screen displays all your worked QSOs with band and time—no need for pen and paper anymore.

3. Click the "E" next to the free text field to edit it directly on the device. It's great for SOTAmat, sending custom messages (hopefully friendly ones!), or calling someone you know is listening but not calling CQ.

4.

<https://github.com/spicahan/DX-FT8-MULTIBAND-TABLET-TRANSCEIVER-Source/releases>



V0.2

- Due to computing power constraints, reverts to only one decoding. But it supports partial TX now, which means even if you touch the message when it's already in the TX slot, the transmission will start immediately and skips the first few symbols necessarily (this is the same behavior as in WSJT-X). So no more 30s delay.
- Another improvement compared to v0.1 is that when you click a decoded message, it automatically infers your intention. If the message is addressed your call, then the firmware automatically generates the proper response based on received message types (TX1 to TX6). If the message is not addressed your call, then the firmware treats it as a CQ call and responds with TX1 or TX2 (depending on the setting of "Skip Tx1 in Tune menu"). This is also the same behavior as in WSJT-X.