

Elecraft K3 Frequency Memory Editor

The Elecraft K3 Frequency Memory Editor helps you maintain frequency memories using a spreadsheet format. Memories can be recalled using the K3's M>V switch or the memory editor's "QSY" buttons. Once memories are stored in your K3, you can disconnect the K3 from the PC. You can even maintain sets of memories in PC files and share them with other K3 users.

Memory contents currently displayed include VFO A and B frequencies and modes, the 5-character memory label that is displayed at the K3, and a longer description field visible only in the editor. When FM mode is used, repeater offsets and PL tones are also shown.

For details on using the memory editor, see the Help menu item.

Requirements and Limitations

K3 MCU revision 3.90 or later is required to use the memory editor.

Currently the editor runs only under Windows, though we hope to support Mac and Linux in the future. Users of some earlier Windows operating systems may need to install Microsoft's .Net Framework; this can take a long time if you have a slow network connection. The setup program will alert you if this is required.

This is new code, so there will be bugs. There is some risk of losing what you have currently stored in your K3 Memories.

Feedback should be sent to dick@elecraft.com. Thanks! -- Dick Dievendorff, K6KR

Release Notes

Version 1.0.96.0, 4/6/2010

- Initial Release.

Version 1.0.97.0, 4/8/2010

- Increased read timeout to eliminate a NoResponseException during K3 read operation.
- Fixed a problem where an empty VFO was being formatted with an uninitialized BandID.
- Fixed null reference exceptions that happened when you start to edit a field, then hide the rows being edited.

Version 1.0.102.0, 4/12/2010

- Fixed a bug that caused read to hang when VFO B was empty.
- USB/LSB were reversed on 6 meters.
- Warn of unsaved changes in program exit and File Open and provide an opportunity to save changes to a file. (TU KG7VDW, DM7TN)
- Fixed one (of perhaps several) bugs related to loading VFO B.

Version 1.0.103.0, 4/13/2010

- Progress dialog trace window now expands when the dialog is expanded. (TU K8DD)
- Changed row select indicator to highlight just the row header (the leftmost column), making it easier to see the cursor position when editing within the grid. Row Select now requires a mouse click on the row header (the leftmost column). If no rows are selected, the current row is used for read, send,

erase, and QSY. (TU KG7VDW)

- Updated Help text to describe the changed row selection technique (click the row header, not just any place in the row).
- Increased the text font size in the trace dialog.
- Clear grid row error text when rows are erased.
- Added Help information about quick band switching memories (00-09) when configured with CONFIG:MEM 0-9 BAND SEL. (TU W6NIA, others)

Version 1.0.104.0, 4/14/2010

- Fixed unhandled exception when unused memories are hidden and a QSY button is clicked. (TU K8DD).
- Change PL Tone and Repeater Offset columns to accept and display locale-correct digit separators. Users of European Windows versions were unable to enter a repeater offset or choose from the list of available offsets because of a mismatch between strings with period and comma decimal separators. External XML files are now written with the digit separator of the user's locale, but on input the PL Tone and Repeater Offset values are accepted with either a decimal or comma digit separator. Did not change the VFO frequency decimal separator, it's still a period in all locales. (TU DM7TN, HB9LFU)
- Fixed a bug that resulted in transverter frequencies being offset by -16 MHz.
- Added column sort information to Help.

Version 1.0.105.0, 4/15/2010

- Fixed inability to store 2 meter frequencies into transverter quick memories XV1 M1-M4 (TU W0TQ, M0TXD)
- Label character set includes blank and excludes hyphen. Changed Help text describing acceptable Label characters. Amended input editor. (TU M0TXD, K6LMP, W5DC).
- Accept well-formed VHF frequencies without transverter validation prior to reading transverter tables. Validate before sending a memory to K3. If a frequency is encountered that cannot be stored into the chosen memory, or a frequency that cannot be reached with available transverters, a "BadFrequencyForMemory" exception is thrown, caught, and displayed when an attempt is made to write the memory to the radio. (TU AB3EN)
- Scrub input file values after read to remove unsupported label characters, repeater offsets, and PL Tone frequencies.
- When an exception occurs during read, send, erase, or QSY, leave the trace dialog open to display the exception and make it available for copy & paste. Removed the exception popup.
- Display a wait cursor (usually an hourglass) during radio read/write operations, which makes it clearer when read, send, erase, and QSY are complete.
- Preserve window state (normal, maximized, minimized), size, and position across sessions (TU DM7TN).
- Bring user settings (COM port, etc.) forward from previously installed version. (TU N6KR).

Version 1.0.106.0, 4/16/2010

- Improved File Open speed by avoiding unnecessary changes during cleanup pass.
- Pull down list of PL Tones sometimes changed item order because of the sorting property of other grid combo boxes. (TU DM7TN)
- Ordered Repeater Offsets into ascending numeric order. 0 appears (in order) as blank, or you'd see a grid full of 0.0 entries.
- Enable QSY right click context menu item without regard to grid VFO value. QSY uses only the memory ID; frequencies come from the K3 memory, not the grid.

Version 1.0.166.0, 6/15/2010

- Change the data type of VFO A and VFO B from string to decimal integer to sort correctly.
- Added cut, copy, paste (full row select and paste only). Data interchange through clipboard tested with Excel.

Version 1.0.167.0, 6/16/2010

- Restored menu item click handlers for Tools-Options-Trace and all Help menu items. (TU K8DD, DM7TN)

Version 1.0.168.1, 6/17/2010

- Fixed a cast exception that occurred when attempting to save an empty memory. (TU K8DD)
- Cancel buttons on the "do you want to save changes" and save file dialogs now both inhibit program termination. (TU N7WS)
- Changed paste so that the target is the "current" and following rows, rather than requiring multi-row select of paste target.

Version 1.0.203.0, 7/22/2010

- First public release
- Rewrote Cut/Copy/Paste to copy the entire DataRow to the clipboard. Paste now skips empty rows and rows that do not "fit" into the target memory (e.g., a 20 meter VFO frequency into a 2 meter transverter memory). Memories can be ordered in ascending frequency order by:

- 1) Uncheck the View Menu's Quick Memories menu item (do not display memories XV1 M1 thru XV9 M4)
- 2) Click VFO A column header to sort by ascending frequency.
- 3) Select all memories (use topmost row header, the box to the left of the ID column label, or select memories 10-99 if the first 10 memories are being used as "quick band" memories.
- 4) Right click, select Cut from context menu. Memories in ascending VFO A frequency order are copied to the Clipboard and the selected grid rows become empty.
- 5) Click ID column header to sort grid by ascending memory ID #.
- 6) Click cursor somewhere in row for ID 10 to select paste target location.
- 7) Right click, select Paste from context menu. Memories are pasted into the grid in ascending VFO A frequency order. Empty rows are skipped during paste, this coalesces empty rows at the highest memory numbers.
- 8) Send memories to radio.