

This firmware, when installed on your E352, will OVER-WRITE ALL THE PRESETS AND USER WAVETABLES.

To install the software

- a) copy the e352_fm.w.bin file to the ROOT directory of your uSD card. The card MUST BE FAT32 formatted.
- b) turn off power to the E352, insert the uSD card, and while HOLDING DOWN the encoder knob, apply power.
- c) release the knob. The Bootloader should run and detect the firmware file. It will ask if you really want to do this, select YES and click. The new firmware will load.
- d) remove the uSD card when the E352 reboots.

Bugfixes:

- * - Negative Freq Limit on LP filter when in NOISE Mode
- * - Update RAM tables after patch load / reset
- * - Fixes USR H wavebank causing error in Waves view
- * - Fix settings clear when File menu exited with no SD card inserted in socket
- * - Fixes UI lock when loading a file without a .WAV extension
- * - Fixes the outputs not muting fully when in Files page

Features:

- * - expand presets to 8 from 3
- * - disable audio during SD card access
- * - Reduce cloud freq display to top / bottom oscs
- * - Add FM Type and Cal options to freq display
- * - Add TZFM (3 ranges)
- * - frequency display updated to handle negative values
- * - Add Wavetable name list off Mode Help menu

Notes

- 1) TZFM, on the wide (High) range will exhibit frequency jitter with no modulation applied. This is 'normal', because the wide bandwidth is at the limit of the resolution of the A/D converter used. There is nothing we can do to 'smooth' this, it's an artifact of having such a wide FM range. TZFM option is on the Frequency page. Lin L is ~17Hz/volt, Lin M = ~635Hz/volt, Lin H = ~10KHz/volt
- 2) "disable audio during SD card access" is something we did on the E370. You will notice a new little speaker with slash icon in the upper right corner when the audio is disabled (muted).
- 3) TZFM (Thru-Zero Linear FM) requires offset calibration so that the medium and high ranges don't skew the base frequency so badly. Calibration just means dial the FM amount pot all the way down and click the button on this option - the E352 will calculate the offset and save it. If you don't calibrate it uses a default value that might not be exactly right for your unit. Even so, there may be a shift in VCO frequency when switching from EXPO to LinFM.
- 4) Wavetable names are condensed down from the 8-character DOS 8.3 filename and are displayed on their own page that's accessed from the Mode Help page. When you have no name stored for a particular user bank then <blank> will be displayed.