

Release Notes for XXICC revision 0.0e

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This document describes enhancements and bug fixes for XXICC revision 0.0e, released 18 June 2012. 0.0e adds Raspberry Pi as a GNU/Linux platform and has major improvements to table evaluation along with some bug fixes. Raspberry Pi is a trademark of the Raspberry Pi Foundation.

The GNU/Linux versions all name the XXICC executable `xxicc`. 0.0d named the Ubuntu version `xxicu`, but since they all now use the same Make command I decided they should all just be called `xxicc`.

1. XOE

- The “Save As” command now has keyboard equivalent `ctl-sh-S` instead of F2.
- The commands to enlarge and reduce font are now `ctl-<` (music *crescendo*) and `ctl->` (music *decrescendo*) instead of `ctl-+` and `ctl--`. The latter two command are now reserved for Zoom In and Zoom Out. XOE reserves the command `ctl-=` for equalizing font size across a selection.
- When used with X11, XOE performed excessive screen refreshing and flashing when scrolling using keyboard commands or the mouse wheel. This turned out to be caused by G-SWIM combining the blinking cursor refresh rectangle with scroll update rectangles, resulting in the entire window being refreshed. We fixed this in XOE’s scrolling function by updating the window for an unblinked cursor before scrolling.
- There are major changes to XOE tables: see Chapter 7 of *The XXICC Anthology*. The Run command (`ctl-F6`) now shows table values automatically, and you can change independent cell values and watch the results propagate like a standard spreadsheet.

2. G-SWIM

- Issue #6 “Bad fault handling” is partially fixed in the X11 versions of XXIXX, i.e., GNU/Linux, BeagleBoard, and Cygwin/X11. When faults occur, G-SWIM now displays -- in the terminal window that launched XXICC -- the code address (PC) and if appropriate the data address of the fault, and continues operation. The addresses are not very helpful to most users, but at least G-SWIM doesn’t crash. The Cygwin/X11 version does not display PC. The Windows versions do not recover from faults: `xxicw` just crashes with no message and `xxibor` displays the fault using a dialog.

3. Bug Fixes

- Fixed minor bug in GalaxC’s Make when recompiling files with included source code files that have been updated.
- Fixed minor copy/paste bug involving tables.