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Former Home of SpinCAD Designer

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The resource toolbars don't always update correctly

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The resource toolbars don't always update correctly (#p1795)

by **Digital Larry** » Mon Sep 15, 2014 6:07 am

The resource toolbars at the bottom of the design area keep track of how many of the following your program is currently using:

- 1) Instructions (max 128)
- 2) Registers (max 32)
- 3) Delay RAM (max 32768)

The program attempts to recalculate the model every time you make a connection. However, sometimes there is something about the model that is causing the program to be unhappy. 99% of the reason for this is **UNCONNECTED INPUTS**.

Most or hopefully all of the blocks have logic to check if their audio input is connected. If it isn't, then code generation does not take place, and the output connections are all set to tell a following block "there's not a valid input connection, so don't generate any code". Some blocks, like the mixers, have been designed to give themselves default input values if nothing is connected, but most are not.

You also need to consider control inputs. Currently the Scale/Offset block (which I use a LOT) doesn't like it when its input is not connected.

Sometimes you might delete a block or connection and notice that the resource toolbar doesn't update. Try clicking on "Start Simulation", which recalculates the model. Click again on "Stop Simulation", unless of course you wish to hear it. "File-Copy to Clipboard" also recalculates the model prior to copying the Spin ASM to the clipboard.

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