

Important Notes on Software and Hardware Versions

Software

Please note that Aldec's Active-HDL Student Edition is often a revision behind their latest commercial Active-HDL simulator. Therefore, the latest version of Xilinx WebPACK is not always compatible with the latest version of Active-HDL Student Edition.

If you download the latest version of Active-HDL Student Edition and Xilinx WebPACK, you will find that Active-HDL Student Edition does not support the latest version of Xilinx WebPACK. To use the free Active-HDL Student Edition, you need to download the latest version of Active-HDL Student Edition, then download the previous version of (10.1) WebPACK from the page below.

Step 1: Download and install ISE WebPACK version 10.1 from the following page containing earlier editions of ISE software such as ISE *Foundation*[™] and ISE *WebPACK*[™].

Available at http://www.xilinx.com/ise/logic_design_prod/classics.htm

Step 2: Download and install the student edition of Active-HDL from

<http://www.aldec.com/education/students/>

follow instructions and download Xilinx libraries with Active-HDL.

Hardware

If you are using a **BASYS** board, you must use the user constraints file (.ucf) file for the **BASYS** board (**basys.ucf**) available at

<http://www.lbebooks.com/downloads.htm>

If you are using a **BASYS2** board, you must use the user constraints file (.ucf) file for the **BASYS2** board (**basys2board.ucf**) available at <http://www.lbebooks.com/downloads.htm> and you must download the Adept 2.1 (or above) software from Digilent's website at

<http://www.digilentinc.com/Products/Detail.cfm?NavPath=2,66,69&Prod=ADEPT>

You can not use the Adept 1.10 with the BASYS2 board.

Also, be sure to select the correct FPGA chip when synthesizing your design using the 'Synthesis' button in Aldec's Active-HDL (noted in Appendix A). These are listed below:

<i>Board</i>	<i>FPGA</i>	<i>Selection in Active-HDL</i>
BASYS	Spartan 3E 100k gates	3s100etq144
BASYS	Spartan 3E 250k gates	3s250etq144
BASYS2	Spartan 3E 100k gates	3s100ecp132
BASYS2	Spartan 3E 250k gates	3s250ecp132

If you have any questions, please feel free to email us at admin@lbebooks.com. Thank you for your interest in Learning By Example!