

A-Z80 Quick Start

Windows first time setup; download and install the following tools:

Altera Quartus II Web Edition: <https://www.altera.com/download> OR

Xilinx ISE Webpack: <http://www.xilinx.com/products/design-tools/ise-design-suite.html>

For Altera DE1 board, the latest free version that supported Cyclone II was Quartus 13.0 SP1.

Download *ModelSim* from the same Altera site.

Python 3.5.x: <https://www.python.org/downloads/>

How do I setup my Altera DE1 board to run Sinclair ZX Spectrum?

Flash the ZX Spectrum combined ROM package (“host/zxspectrum/rom/combined.rom”) into the flash memory at the address 0. Use the program “DE1_ControlPanel.exe” from your DE1 CD disk (you can also download it from terasic.com site).

In Quartus: open, compile and flash project “host/zxspectrum/zxspectrum_board.qpf”.

Connect VGA, PS/2 keyboard and line-in to load Spectrum programs. Plug in a set of earphones to Line-out.

How do I add A-Z80 sources to my Z80-based project?

Look up a list of files that were added to one of the sample designs in host folder.

All A-Z80 files needed are also listed in “cpu/top-level-files.txt”.

Still stuck?

Read the full *User's Guide*.

Visit www.baltazarstudios.com, post a question and/or send me an email.

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