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 to address 0. Use "DE1_ControlPanel.exe" utility 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.
You can select from thousands of ZX Spectrum games and load them by using *Baltazar Studios'* PlayZX app which was built just for this purpose.

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

Run Python script "cpu/export.py" which will copy all relevant files to a directory of your choice.
All A-Z80 files needed are listed in "cpu/top-level-files.txt".
Look up a list of files needed in one of the sample designs in the "host" folder.

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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