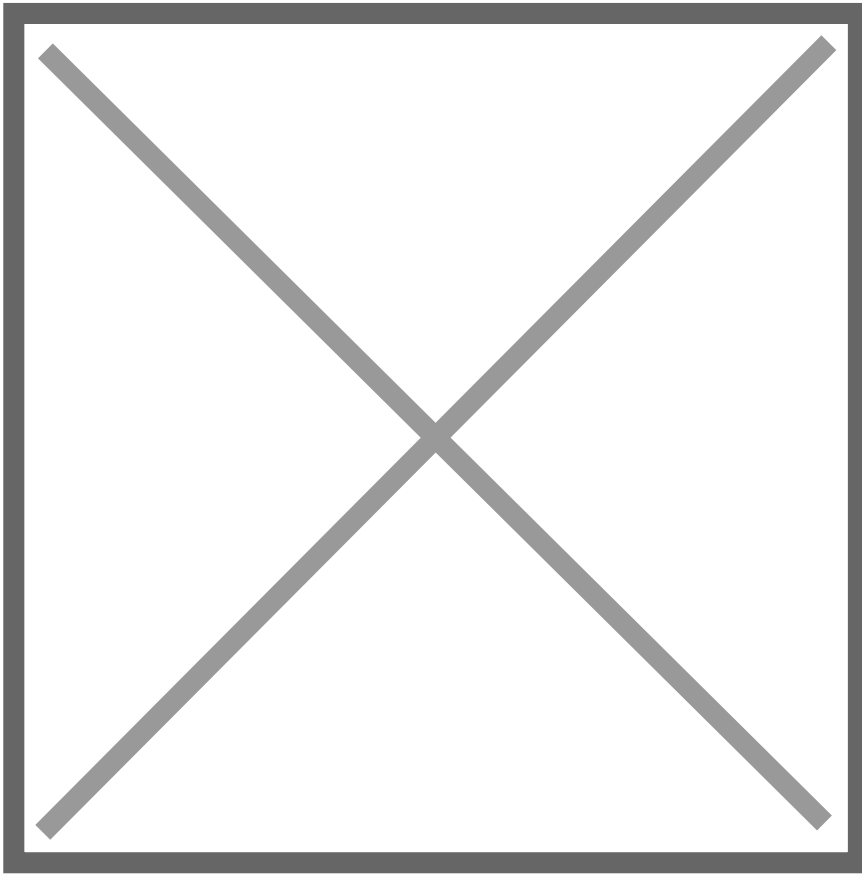# FPGA Synthesis and Programming Stage

Once the simulation is correct, it's time to generate the final code and flash it to the FPGA.
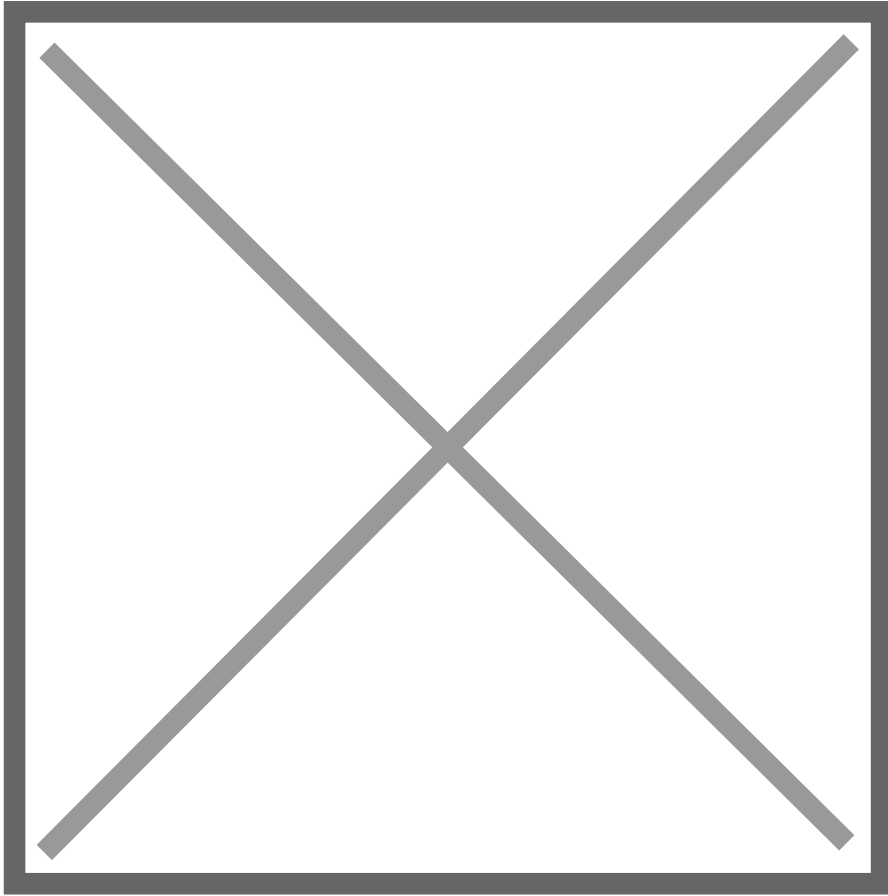
Synthesis Steps:

1. Click the Synthesize tab.
2. Select Start Synthesis.
3. Wait until all items turn green, indicating a successful synthesis.

Programming Steps:

1. Connect your FPGA board to the computer via USB.
2. In ChipInventor, select the correct serial port (usually the "Enhanced" port).
3. Click Flashing to upload the project to the FPGA hardware.

Revision #1
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