

This document describes the firmware update procedure for MADC-32.
The latest firmware file can be found at
http://mesytec.com/downloads/firmwareupdates/firmware_VME.html

Requirements

- XILINX Platform Cable USB II
- XILINX Lab Tools – 14.7 Utilities
- The latest MADC-32 firmware file
- These steps are for Windows

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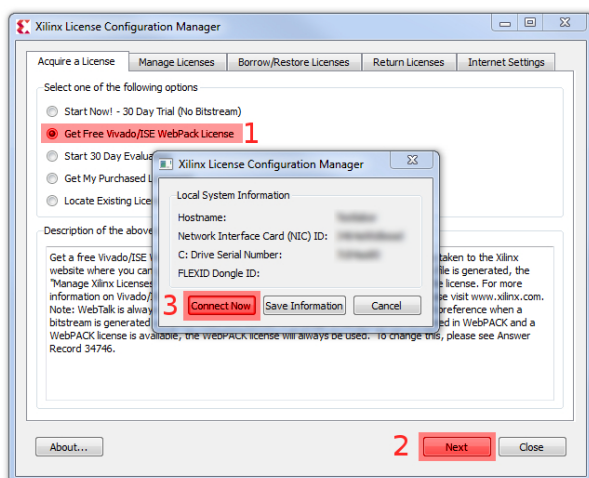
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Download and License

Download the “**Lab Tools – 14.7 Utilities**” from the following link.
In order to download the software, it is necessary to register on the XILINX homepage.

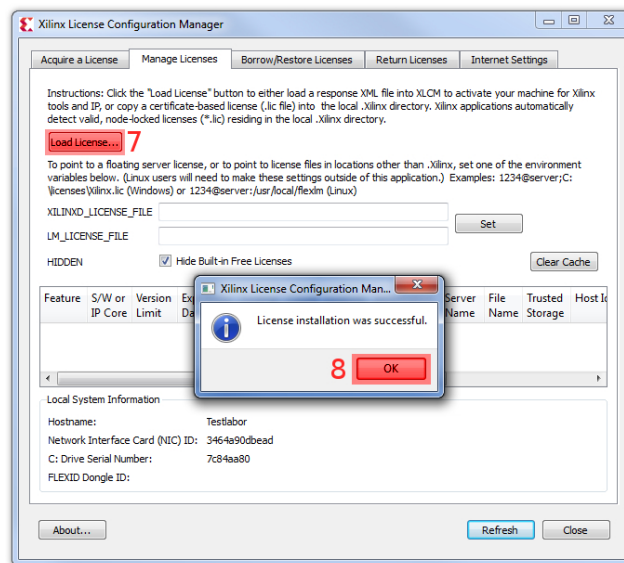
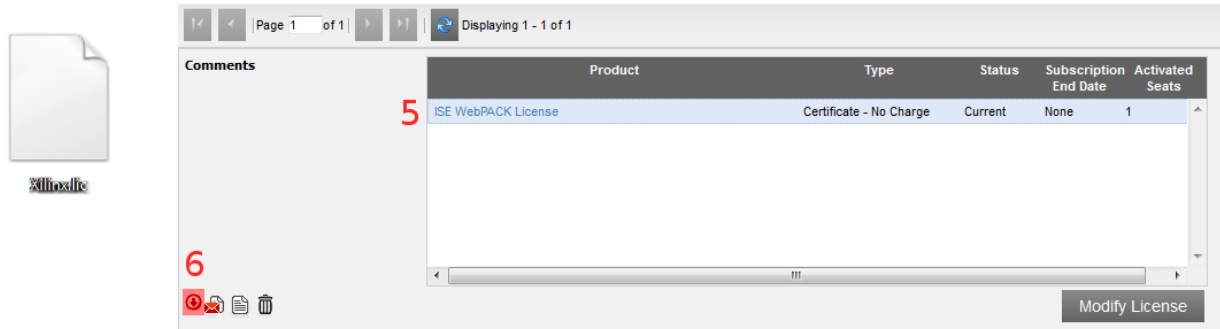
<https://www.xilinx.com/support/download/index.html/content/xilinx/en/downloadNav/design-tools.html>

- After the download is complete, unzip the zip-file.
- Open the directory, click on “**xsetup.exe**” and follow the installer's instructions.
- When the installation is complete, the “**Xilinx License Configuration Manager**” window opens.
- Follow the pictures.



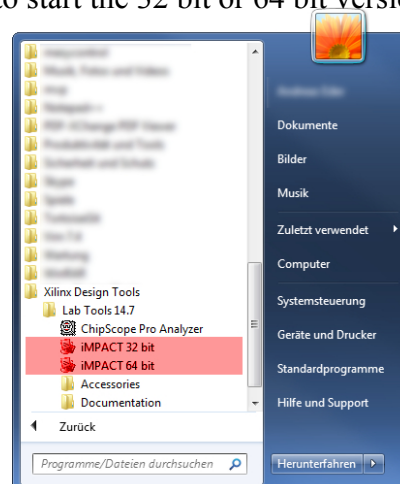
- Fill in the “**Product Licensing - Name and Address Verification**” form, then click next.

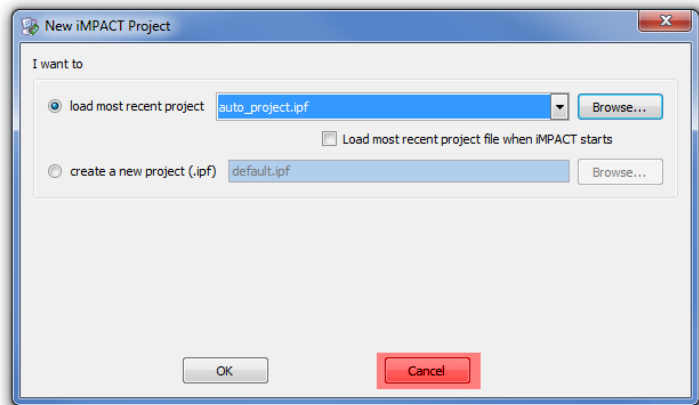
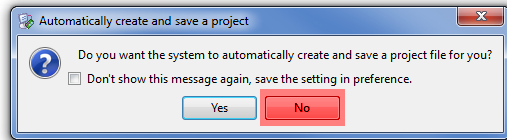
- Download your License.



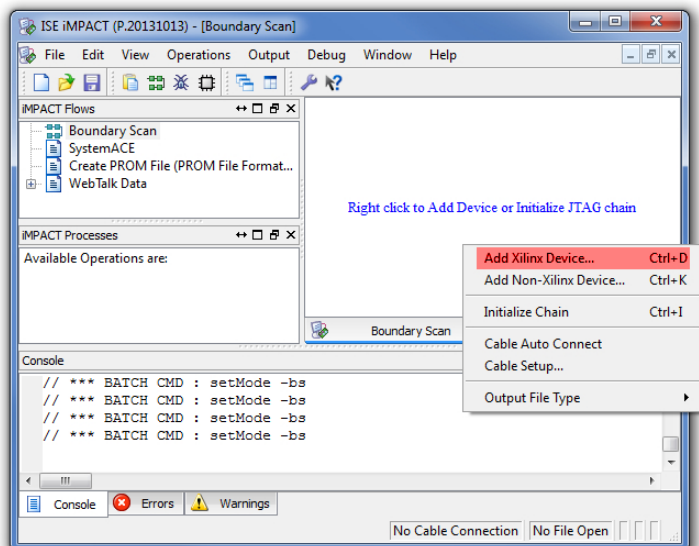
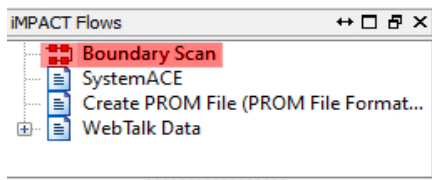
Start and Configuration

- Connect the **“XILINX Programming Device”** with the USB-Cable to your PC.
- The USB driver is automatically installed by Windows. Wait until the installation is complete.
- The Status-LED should be yellow.
- Connect the **“XILINX Adapter Plate with the coloured cables”** to the Programming Device.
- Start the program from the Start menu. Be sure to start the 32 bit or 64 bit version depending on the operating system version you are using.

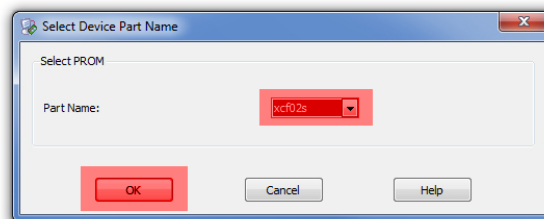


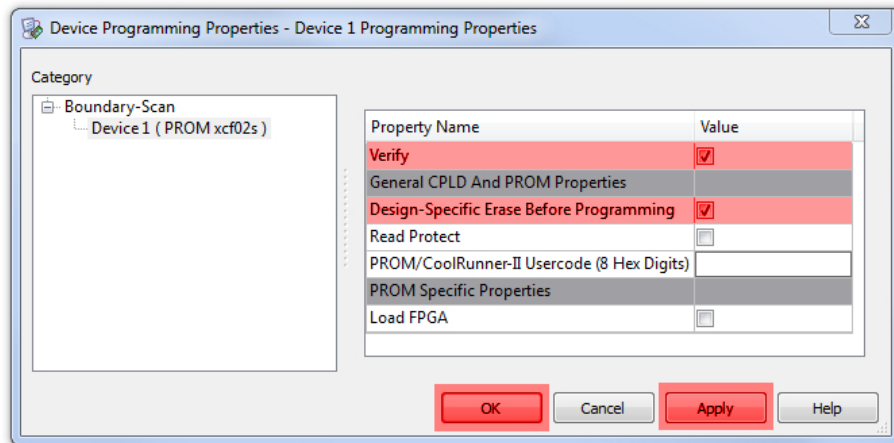


- Double Click on **“Boundary Scan”**
- Then right click into the right window and **“Add Xilinx Device...”**

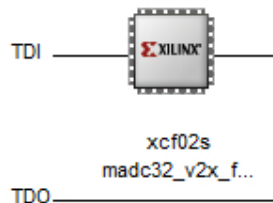


- In the next window load the **“MADC-32 Firmware File”** and click open.
- In the Window **“Select Device Part Name”** choose **xcf02s** and click OK.



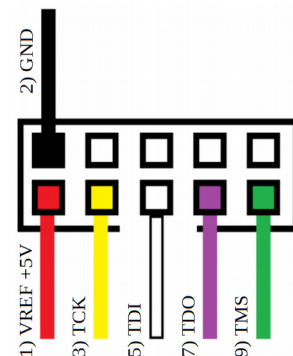


- You can see the XILINX Device Icon with the MADC-32 Firmware on the right window in the programmer tool.



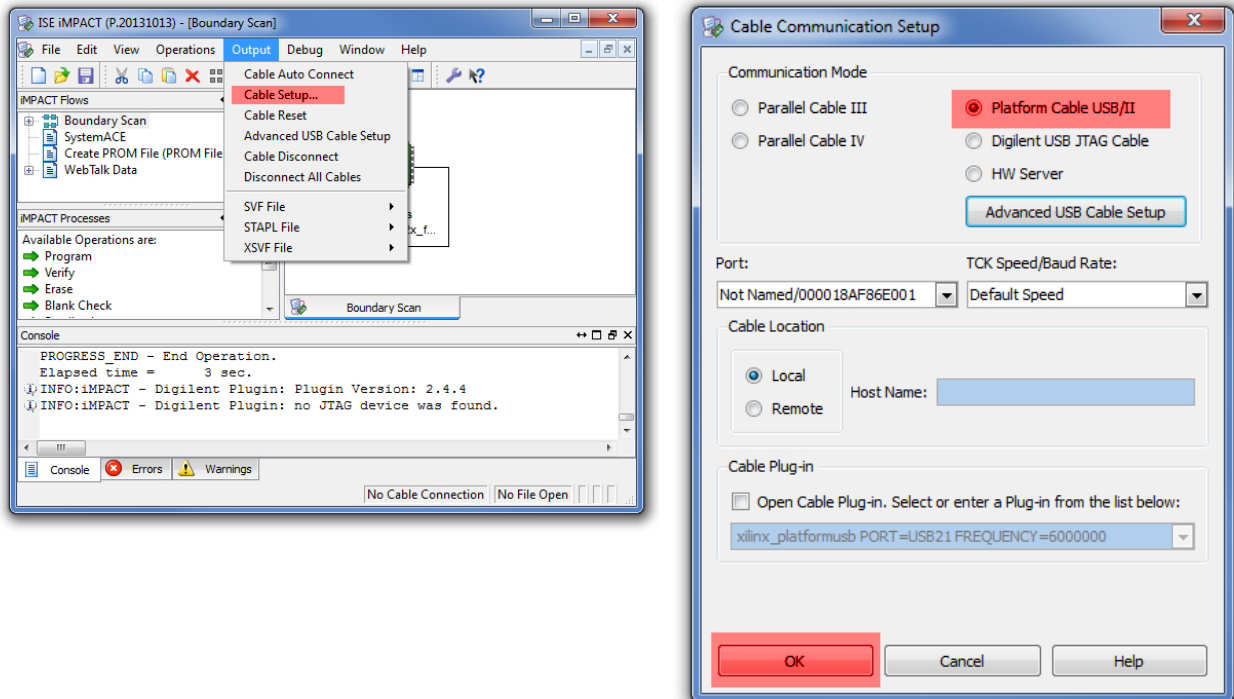
Connection

- Connect the Cables to the MADC-32 and power on the MADC-32.
- The Status-LED should turn green.



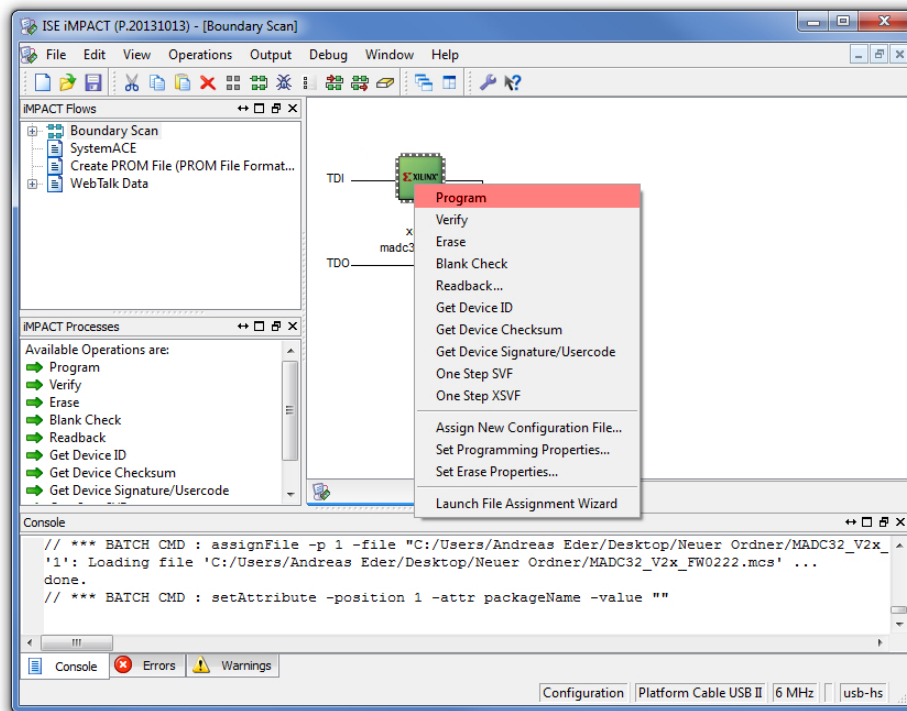
Cable Setup

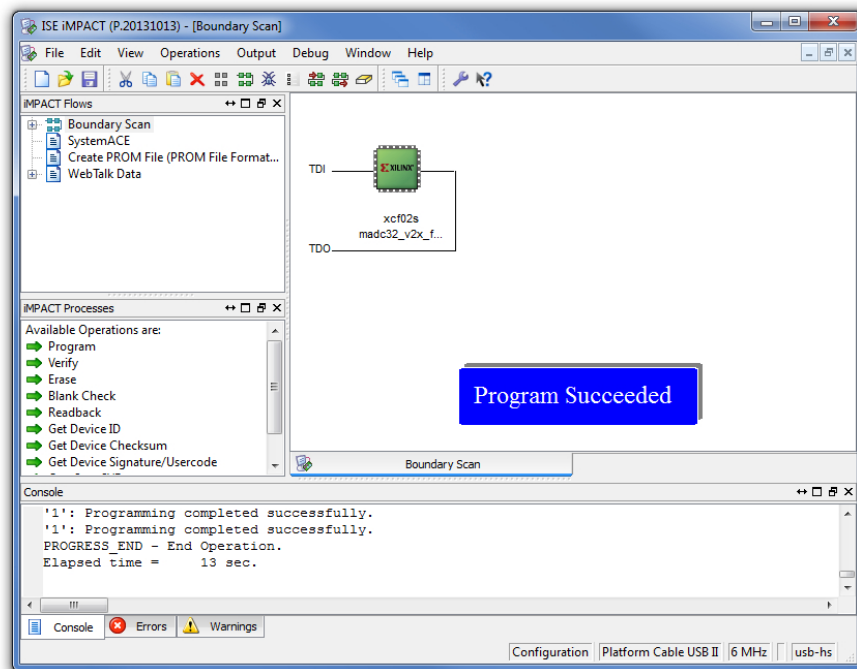
- These settings must be performed only once.



Programming

- Right click on the XILINX Device and click Program.





The MADC-32 Firmware is now updated

Project saving

- All settings can be stored to update other MADC-32 at a later time.

