

# Software installation guide

## for the HECTOR evaluation platform training

HECTOR evaluation platform is supported by Linux and Windows operational systems (OS), but it is **highly recommended to use Windows OS** during the training (Linux installation is more complex and more 'risky').

You need to install the following software tools on your PC **before the HECTOR training**:

### **Libero v. 11.7**

Available on: <http://www.microsemi.com/products/fpga-soc/design-resources/design-software/libero-soc#downloads>

### **VCP FTDI driver** (the newest version)

Available on: <http://www.ftdichip.com/Drivers/VCP.htm>

Libero is a software toolkit for working with Microsemi SoC FPGAs, which are used on the HECTOR motherboards. Do not forget **to ask for a license of your Libero** software (the Gold Libero version, which is sufficient for our application, is free and it is delivered on demand by Microsemi). For more information about the Libero installation and licensing see the following document: [http://www.microsemi.com/document-portal/doc\\_download/131602-libero-software-installation-and-licensing-guide](http://www.microsemi.com/document-portal/doc_download/131602-libero-software-installation-and-licensing-guide)

When you will open any HECTOR project (or any other Libero projects) for the first time, Libero will tend to **download the newest library updates**. You will need at this time an Internet connection and the download will take a moment. It is better to do it before the training.

We recommend installing the Microsemi SoftConsole v. 4.0, too. It is not needed directly for the HECTOR training, but it can be useful in the future (and perhaps we will do some demonstration). The SoftConsole is a tool needed to develop the ARM firmware for the Microsemi SoC. It is available on the following link: <http://www.microsemi.com/products/fpga-soc/design-resources/design-software/softconsole#downloads>

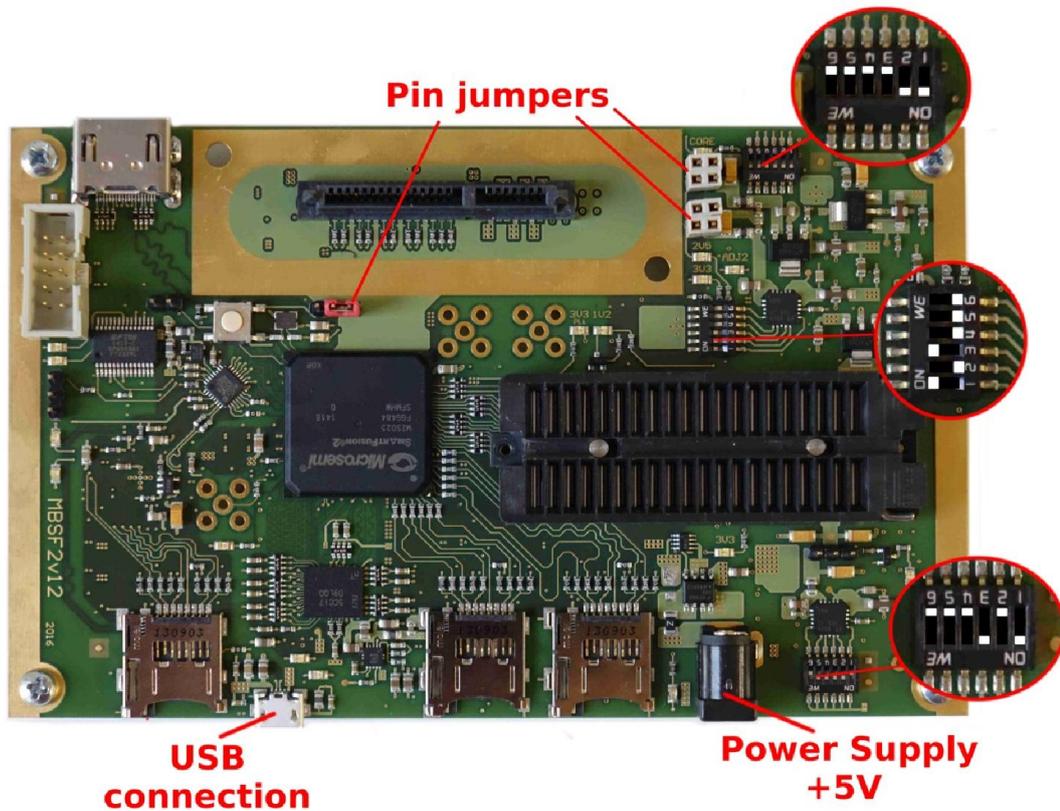
You need to install and configure FlashPro 4 programmer drivers (the FlashPro 4 was delivered to each HECTOR partner by Micronic). Installation guide is available on the following link:

[http://www.microsemi.com/document-portal/doc\\_download/135873-qsg0198-flashpro4-device-programmer-quickstart-guide](http://www.microsemi.com/document-portal/doc_download/135873-qsg0198-flashpro4-device-programmer-quickstart-guide)

The VCP FTDI driver is needed for the UART-to-USB converter from FTDI, which is available on the HECTOR motherboard. To install the VCP driver, connect the HECTOR motherboard to your computer (do not forget to set switches and jumpers and to power the motherboard from the delivered power supply – see figure bellow) and follow the steps of the installation guide available at:

<http://www.ftdichip.com/Support/Documents/InstallGuides.htm>

Do not forget to install pin jumpers on the motherboard and to set appropriate switches (according to the figure bellow), before powering the board for the first time!!!



We recommend also installing some HEX data viewer, for example Total Comander available at:

<http://www.ghisler.com/download.htm>

Please do not hesitate to contact us if you will have any question or installation problem on the following email:

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