

Guidelines for Using Commonly Used Tools

Standard Operating Procedures-FYDK-LATTICE

ATESS ENERCOLLEGE

Technical Support Document



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1. Purpose

To define the correct and safe procedure for updating the CPLD via FYDK-LATTICE.

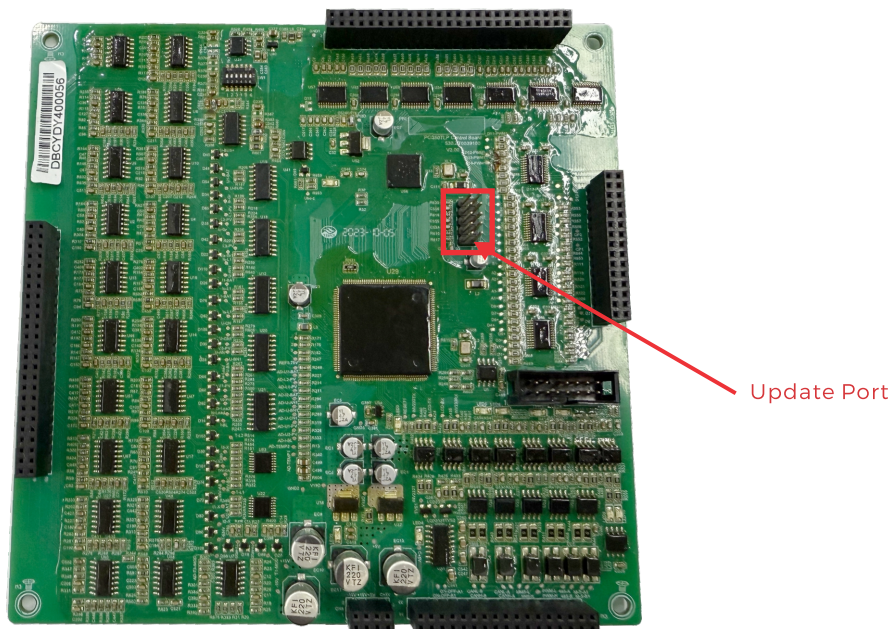
2. Required Equipment

- FYDK-LATTICE
- Computer
- Diamond Programmer
- DSP board New model

3. Procedure

3.1 Connect the FYDK-LATTICE to the computer.

3.2 Connect the FYDK-LATTICE to the DSP board to Update CPLD.

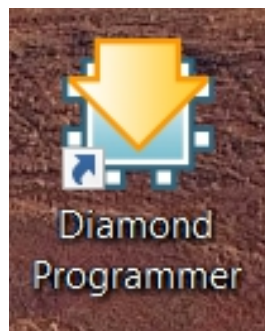


3.3 Power on the DSP board.

3.4 Launch the Diamond Programmer software.

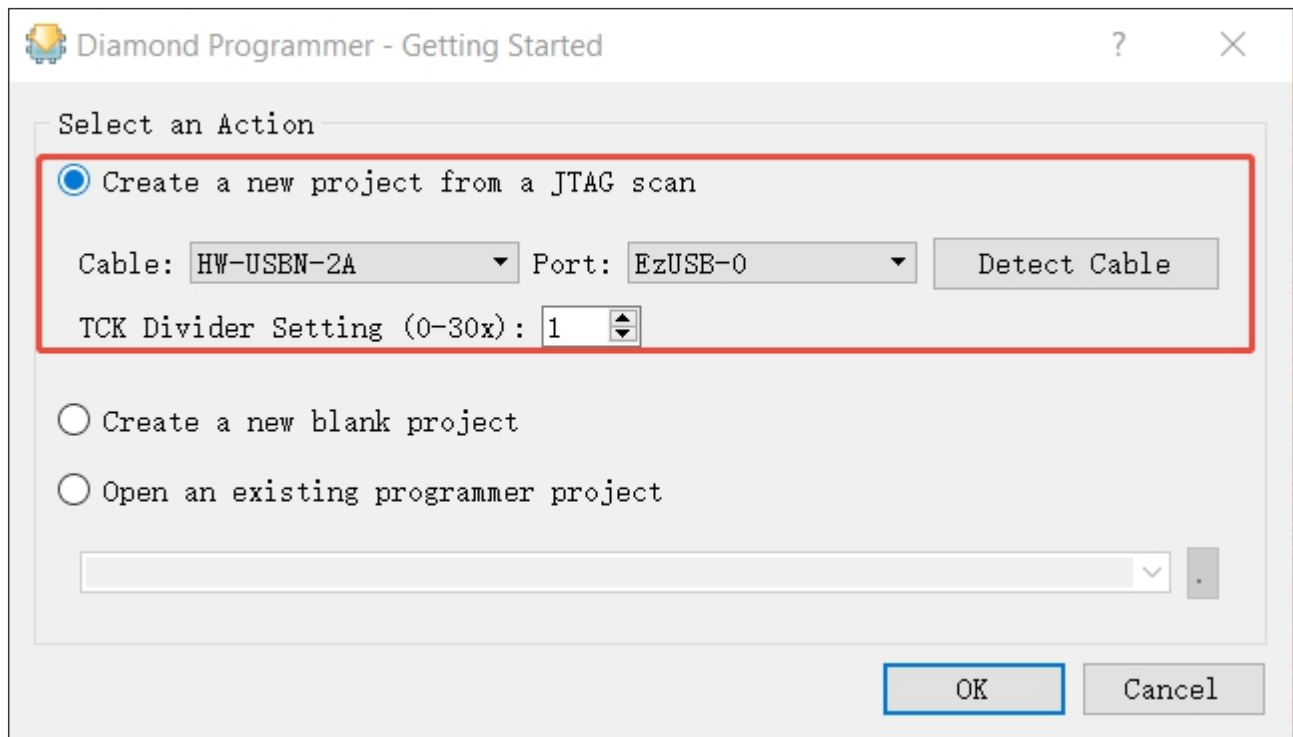
Noted:Download Diamond Programmer from the Google Drive and install it on your computer.

Downloadlink:https://drive.google.com/drive/folders/1651Fs0kAt_JeAxM4tnDXNlrcP4GVH5i?dmr=1&ec=wg
c-drive-hero-goto.



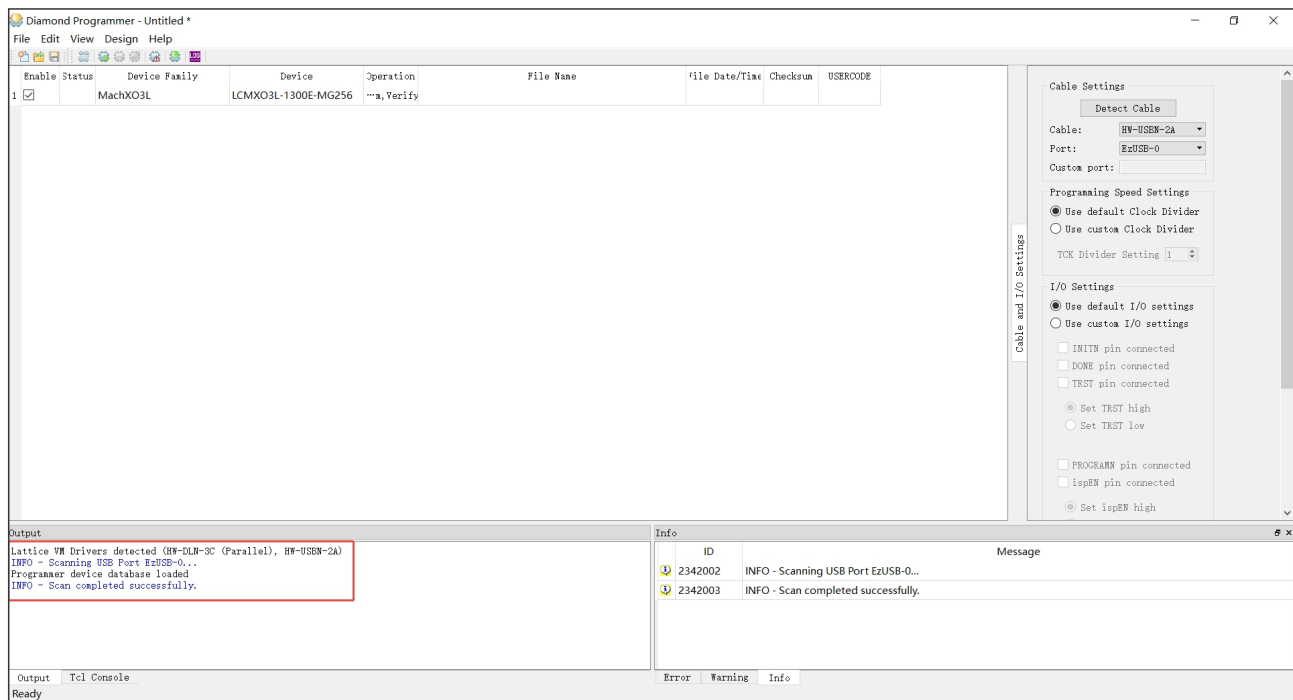
3.5 Set the cable to HW-USBN-2A,the port to EzUSB-0.

3.6 Select Create a new project from a JTAG scan.

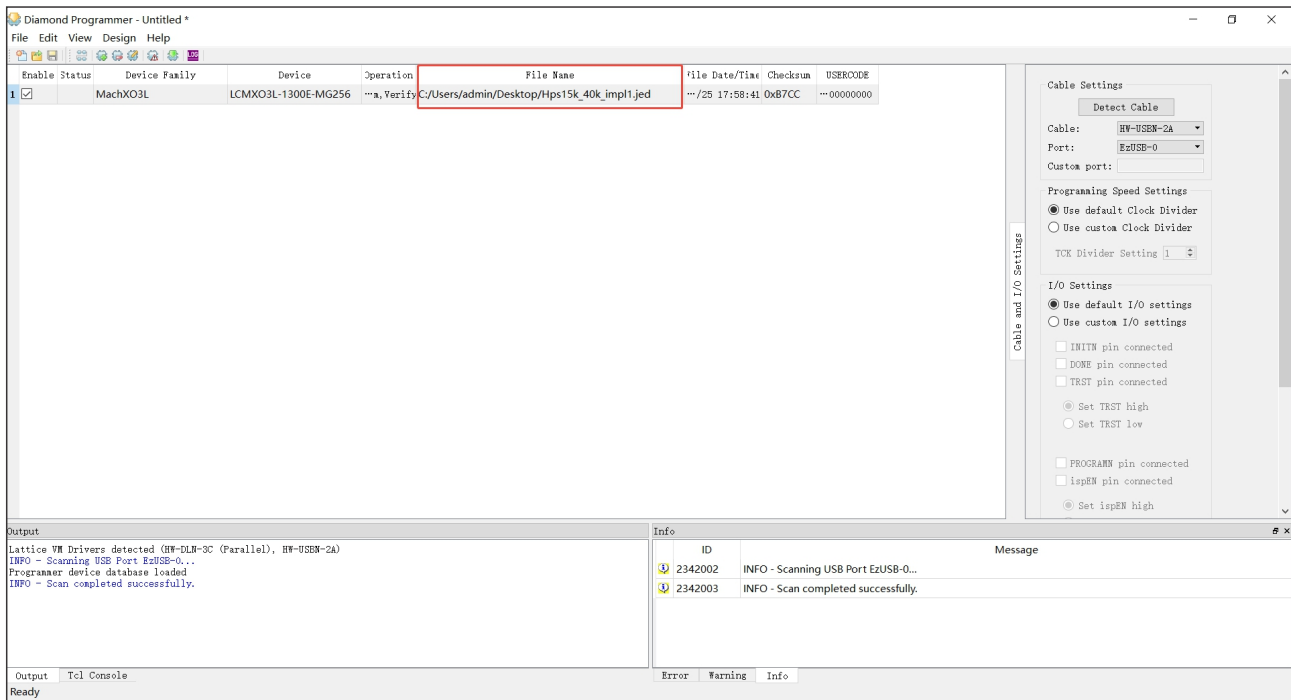


3.7 Once the program opens, if the connection is successful, you will see the following messages:

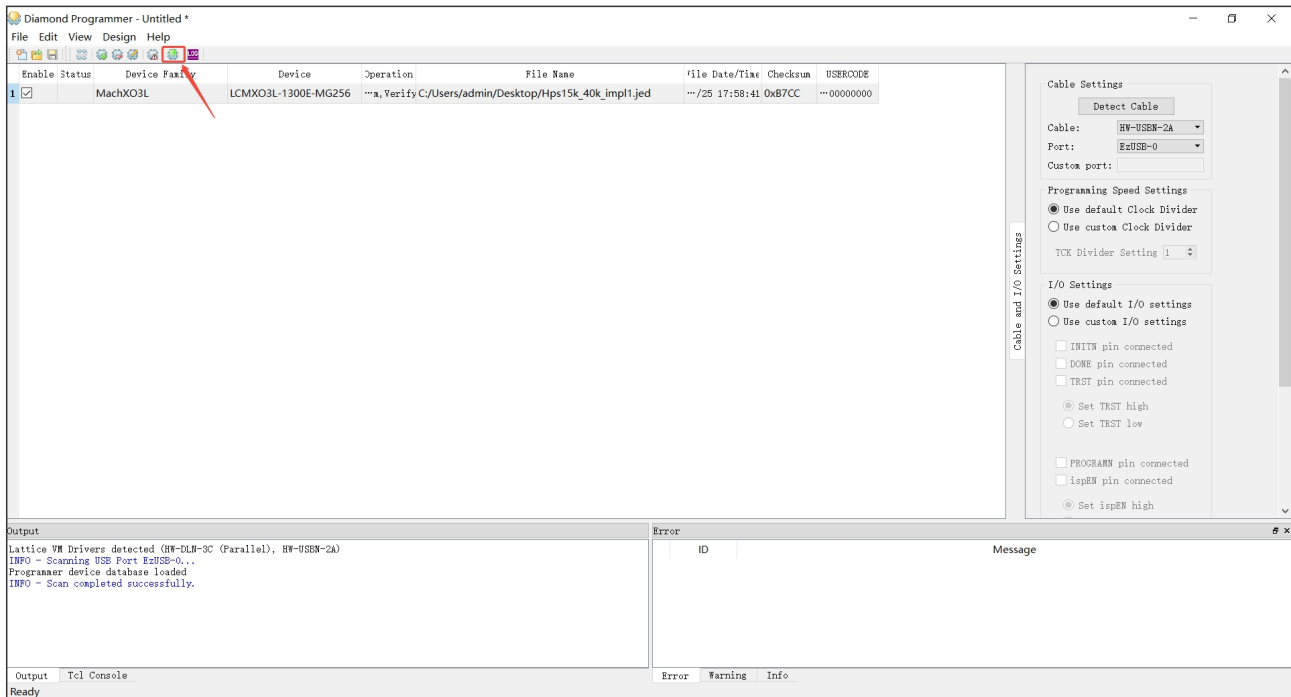
- INFO - Scanning USB Port EzUSB-0.
- INFO - Scan completed successfully.



3.8 Select the .jed file to use for the firmware update.

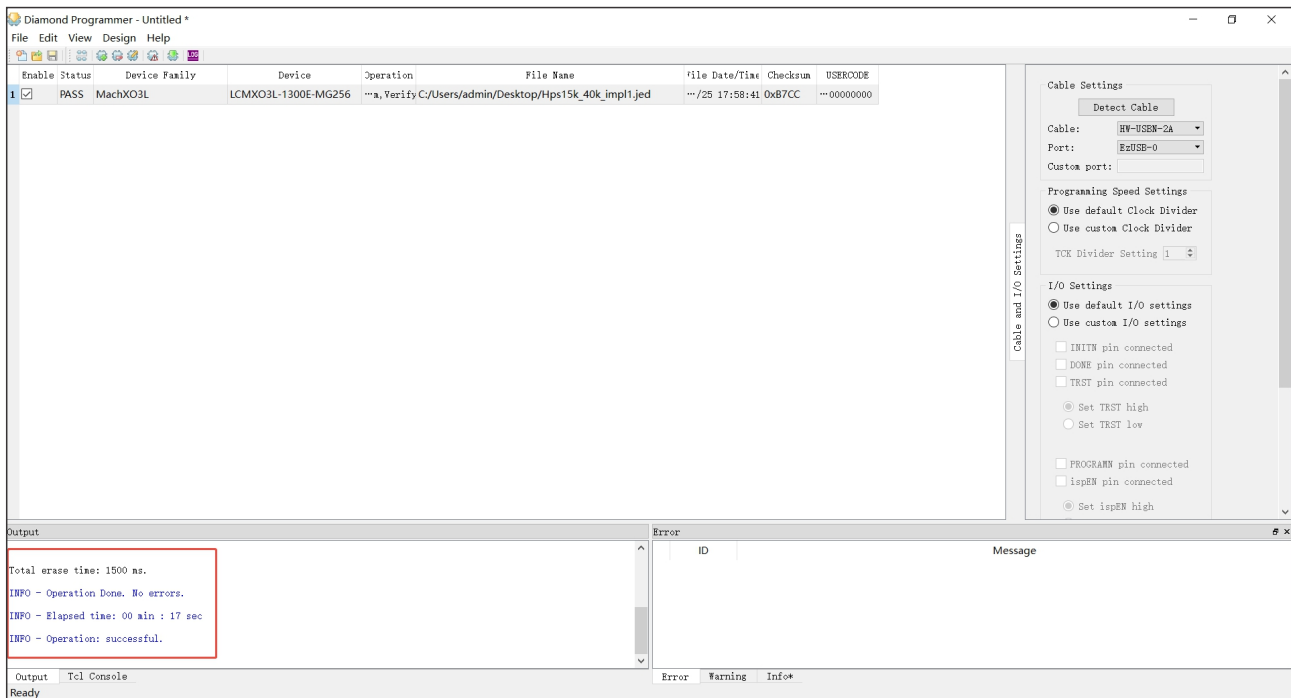


3.9 Click Program to begin the update process.



3.10 After the update is completed, the following message will appear:

- INFO - Operation: successful.



4. Caution

- Ensure that all devices are properly connected before initiating the update process.
- Do not disconnect cables or turn off the computer during the firmware update process.
- Verify that the selected update file is correct and compatible with the DSP being used.
- Running the Diamond Programmer software only after connecting the cables and powering on the DSP.