SetUsbId Readme

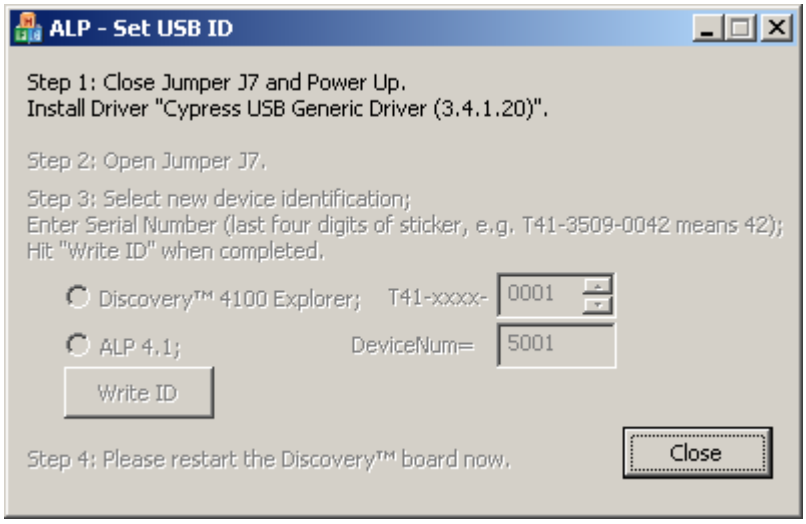
This tool is needed **if, and only if,** users wish to switch between the ViALUX ALP-4.1 Controller Suite and the TI DLP® Discovery™4100 Explore software. This kind of use is not typical as the ALP-4.1 GUI provides all the functionality of the Explore software with the advantage of higher speed.

The SetUsbId application allows changing the USB Vendor ID (VID). The VID controls how a DLP® Discovery™ 4100 Starter Kit board is identified when connected to a computer via USB. The VID is stored in a persistent on-board memory (EEPROM).

Two VID settings are supported by SetUsbId:

- DLP® Discovery™ Explorer VID
- ALP 4.1 VID

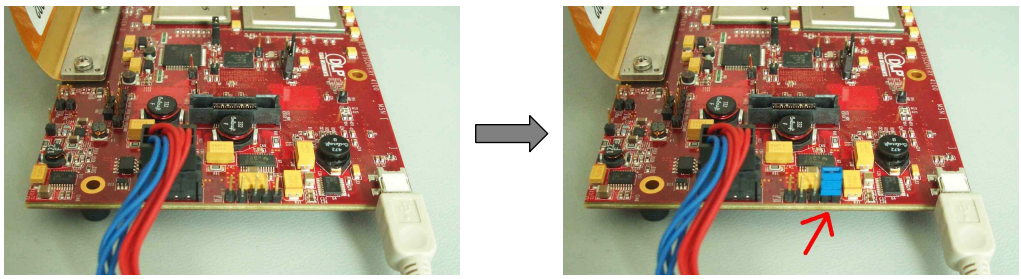
SetUsbId guides the user step by step through the whole process. The completion of a step is recognized automatically in most cases and the next task is highlighted..



1 Power-Up

The program shows

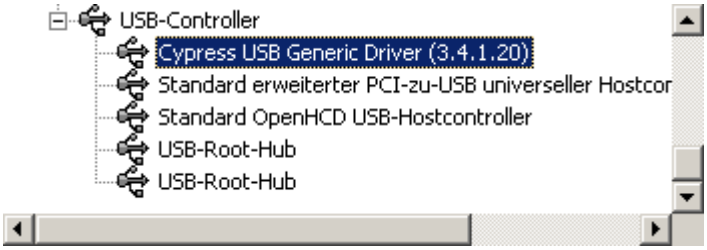
i) Close J7 on the Discovery board as shown in the pictures below.



ii) Switch on the power supply. The device manager will ask to install device drivers for the new device.

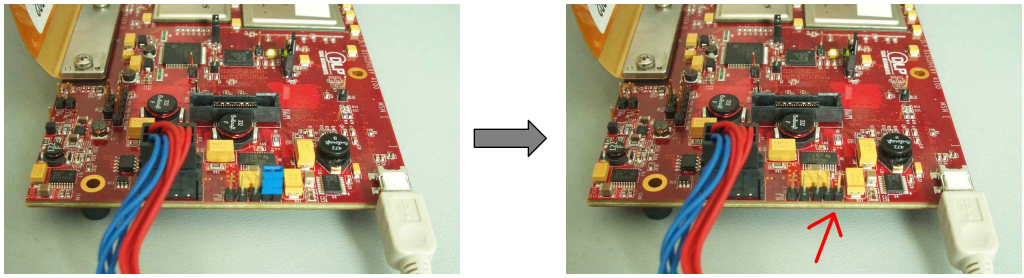
iii) Select the Cypress drivers from the SetUsbId path..

iv) Verify successful installation in the device manager. It should show the device as “Cypress USB Generic Driver (3.4.1.20)” as below.

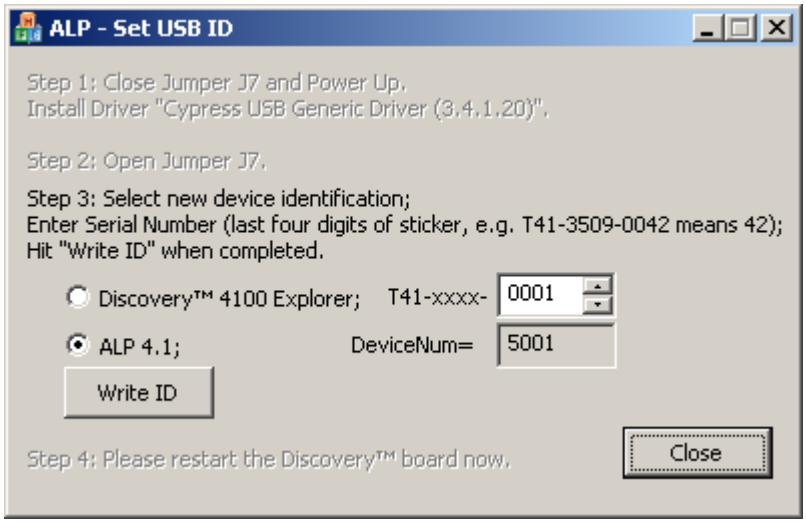


2 Remove Jumper

v) When SetUsbId shows `Step 2: Open Jumper J7.` then remove J7. Do not switch off the device right now!



3 Select ID and Enter Serial Number



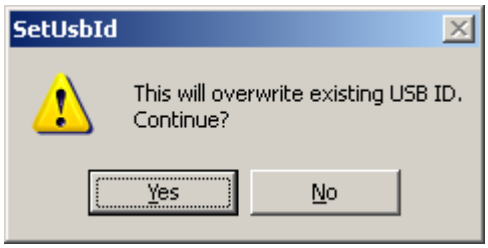
Now the board is ready for EEPROM access.

vi) Use the radio buttons to select the USB VID.

vii) In case of ALP-4.1 enter the serial number printed on the board.

Note: The logical ALP DeviceNum as used in the AlpDevAlloc() API functions is different from the Discovery™ boards serial number. This is shown for your information in another text box.

3.1 Write and Verify



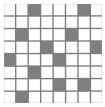
viii) Confirm the EEPROM write operation

3.2 Cycle Power

Step 4: Please restart the Discovery™ board now.

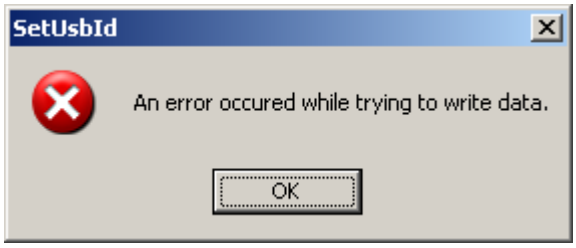
ix) Restart Discovery™ board in order to make the change effective. Switch the power supply off and on again. If not done yet, the operating system will install the device driver for the new identified device.

SetUsbId is completed.



4 Error messages

One of the following message boxes below will be displayed if the write operation has failed.



Action: try procedure again.

Action: check that the EEPROM write protection is enabled. Refer to the DLP® Discovery™ documentation about this.