

# Installing USB-Blaster Driver

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## When using your laptop

Source: [https://www.terasic.com.tw/wiki/Altera\\_USB\\_Blaster\\_Driver\\_Installation\\_Instructions](https://www.terasic.com.tw/wiki/Altera_USB_Blaster_Driver_Installation_Instructions)

### For Windows 10, do the following:

1. Plug the USB-Blaster into your PC.
2. Open the Device and Printers (Control Panel | Devices and Printers).
3. Under Unspecified, USB Blaster should be listed. Right mouse click on this and then select Properties.
4. Select the Hardware tab and select Properties.
5. A new window should pop up with the General tab already selected. Select Change Settings.
6. Again a new window should pop up with the General tab already selected. Select Update.
7. Select Browse my computer for driver software.
8. Find <Path to Quartus II installation>\quartus\drivers\
  - (Note 1: Your altera file is located at the location you selected when you first installed quartus. The location listed in this document is the default location)
  - (Note 2: Stop at the drivers folder, i.e., do NOT go deeper by opening a folder within the drivers folder)
1. Select OK. Make sure the proper path was selected then select Next.
2. If the Windows security window pops up Check the Always trust software from "Altera Corporation" box and select Install.

### For Windows 7 and Windows 8, do the following:

1. Plug the USB-Blaster download cable into the PC. The following will appear on the screen: Device driver software was not successfully install. Select Click here for details.
2. Select Change settings...
3. Now cancel this (probably by selecting Cancel)
4. Open the Device Manager (Windows Key | Control Panel | Device Manage)
5. Under Other devices, USB Blaster should be listed. Right mouse click on this and then select Update Driver Software...
6. Select Browse my computer for driver software
7. Find <Path to Quartus II installation>\quartus\drivers\, then select Next; (Note: Stop at this folder, i.e., do NOT go deeper by opening a folder within the drivers folder)
8. Check the Always trust ... box and then select Install

### For Windows Vista, do the following:

1. Plug the USB-Blaster download cable into the PC. The Found New Hardware dialog box appears.
2. Select Locate and install driver software (recommended).
3. Select Don't search online.

4. When you are prompted to Insert the disc that came with your USB-Blaster, select I don't have the disc. Show me other options.
5. Select Browse my computer for driver software (advanced) when you see the Windows couldn't find driver software for your device.
6. Click Browse... and browse to the <Path to Quartus II installation>\drivers\usb-blaster directory. Click OK.
7. Select the Include subfolders option and click Next.
8. If you are prompted Windows can't verify the publisher of this driver software, select Install this driver software anyway in the Window Security dialog box.
9. The installation begins.
10. When The software for this device has been successfully installed appears, click Close.

### For Windows XP, do the following:

1. Plug the USB-Blaster download cable into the PC. The Found New Hardware dialog box appears.
2. Select Locate and install driver software (recommended).
3. Select Don't search online.
4. When you are prompted to Insert the disc that came with your USB-Blaster, select I don't have the disc. Show me other options.
5. Select Browse my computer for driver software (advanced) when you see the Windows couldn't find driver software for your device.
6. Click Browse... and browse to the <Path to Quartus II installation>\drivers\usb-blaster directory. Click OK.
7. Select the Include subfolders option and click Next.
8. If you are prompted Windows can't verify the publisher of this driver software, select Install this driver software anyway in the Window Security dialog box.
9. The installation begins.

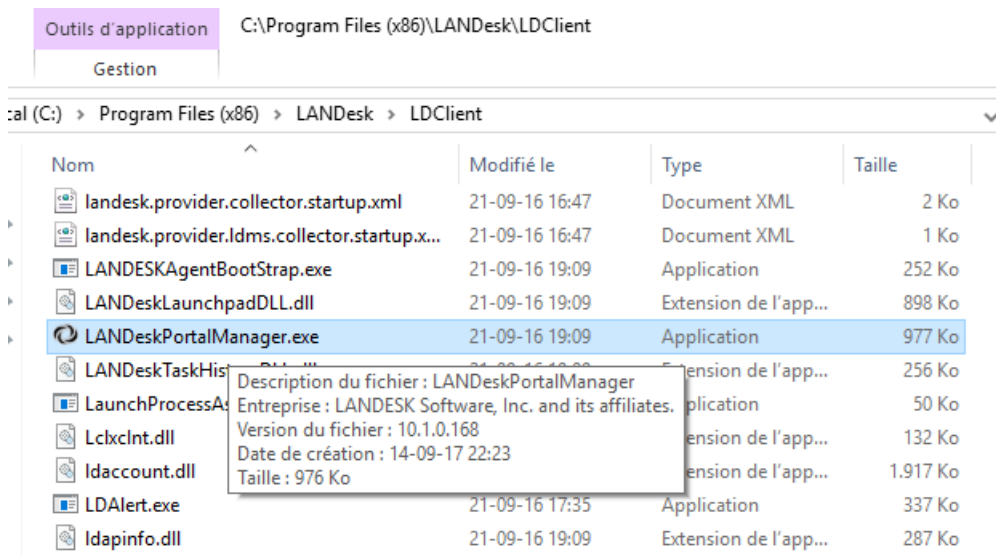
When The software for this device has been successfully installed appears, click Close. If you are running Windows in 64-bit mode, you **MUST** boot your computer as following both when installing the USB-Blaster driver **AND** when using Quartus to program your PLD.

- - During boot up of the computer, continuously press F8 (but do NOT hold it down).
  - Scroll down to "Disable Driver Signature Enforcement," then hit Enter.

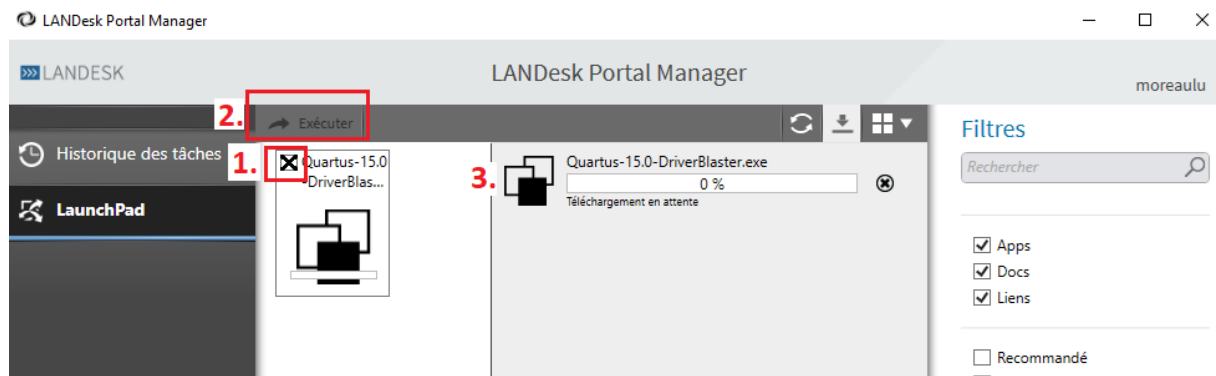
You must set up the driver before programming your PLD (CPLD or FPGA)

### When using didactic rooms computers

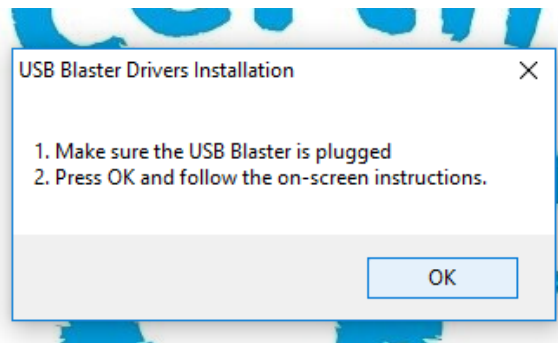
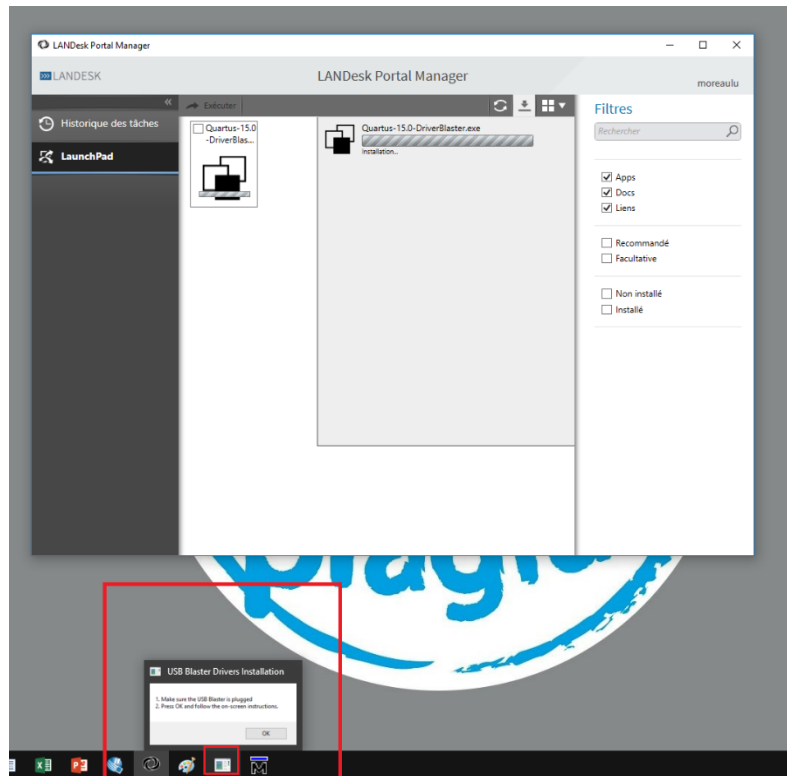
1. Launch the "LANDeskPortalManager" tools



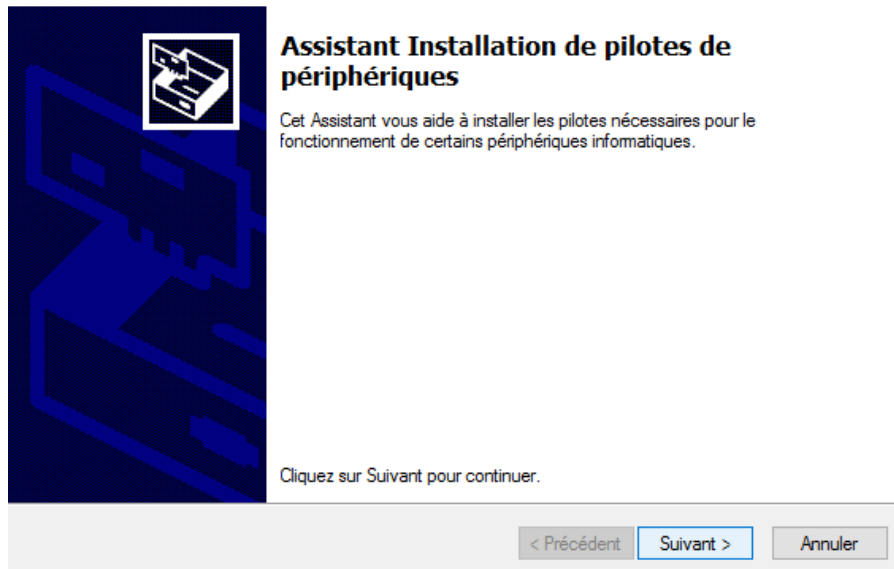
2. The below window should appear:
  - 2.1. Check the box on the upper left of "Quartus-15.0-DriverBlaster.exe"
  - 2.2. Click on "Exécuter"
  - 2.3. The following download bar should appear. After the download, be warned that the installation will not actually start on its own. Please go to step 3.



3. So the trick is the following: a pop-up window appear but stays hidden behind the main one. Minimize the main window to make the pop-up appear, **wire your DE0-Nano to the computer** and after that only, click "Ok" on the pop-up.



4. Another window shows up, but you should clearly see this one. Click on "Suivant" and then on "Installer" on the pop-up below.

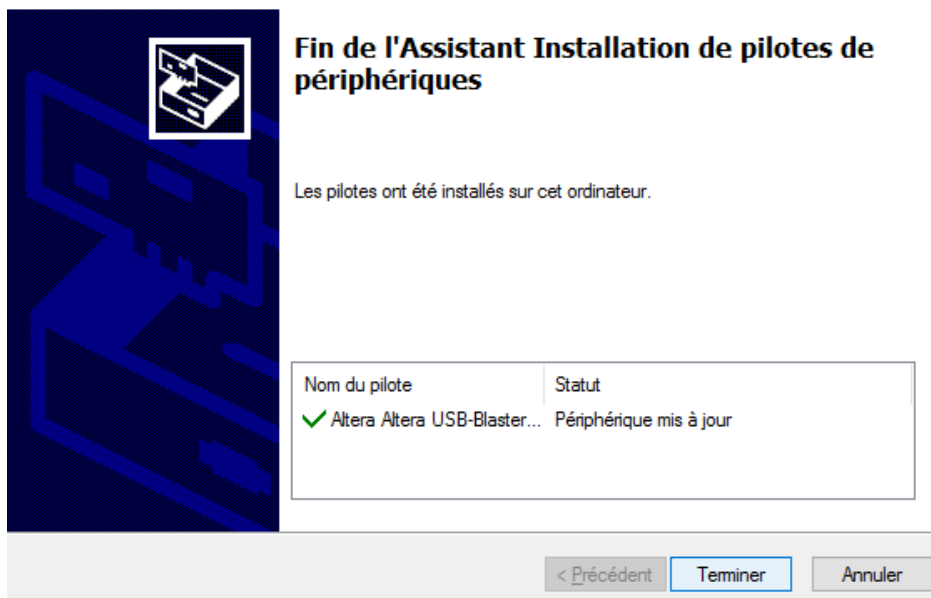


Voulez-vous installer ce logiciel de périphérique ?

Nom : Altera USB-Blaster Device Driver Package  
Éditeur : Delaware Altera Corporation

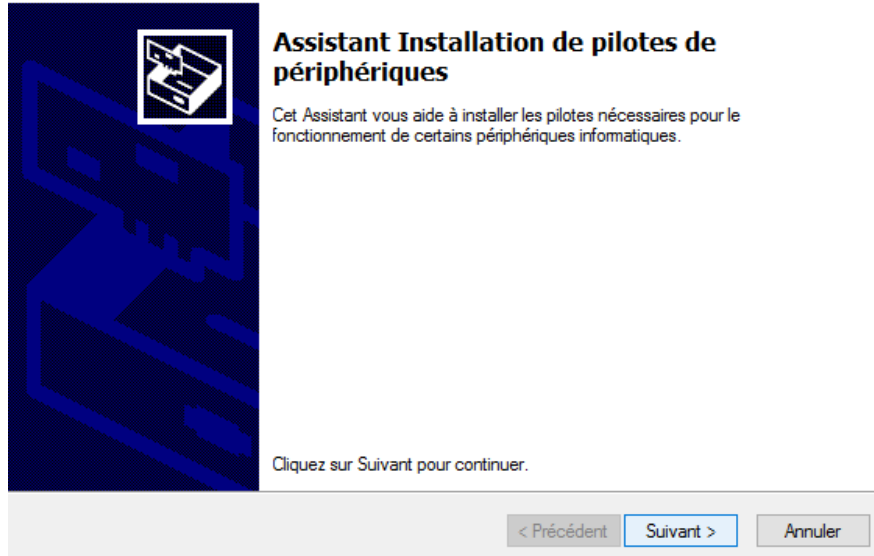


5. Once it is done, click on “Terminer”.

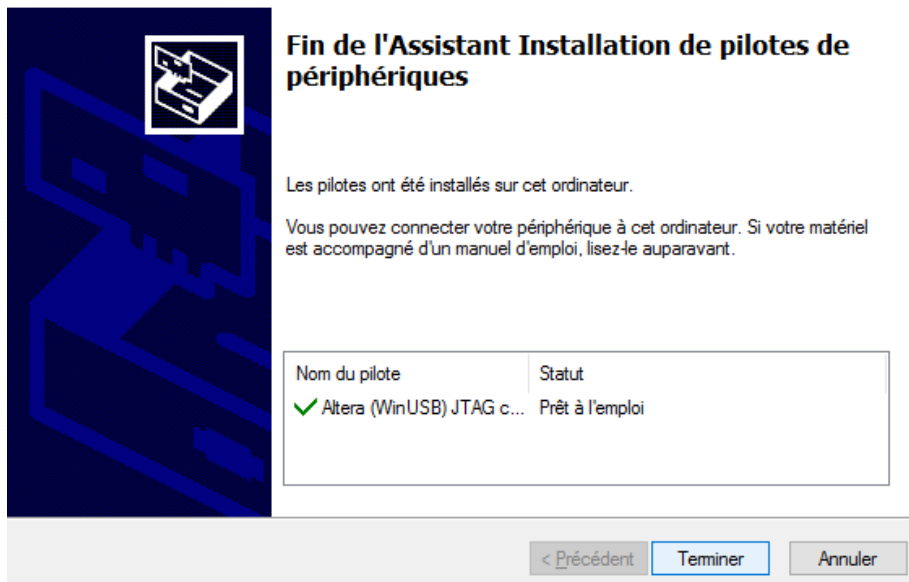


6. The assistant window should appear again. Repeat the procedure (“Suivant” and then “Terminer”). This time, you should have a final pop-up stating “Installation complete”: click Ok.

Assistant Installation de pilotes de périphériques



Assistant Installation de pilotes de périphériques



USB Blaster Drivers Installation ✕

Installation Complete

OK

- Now, with your DE0-Nano plugged to the computer, open Quartus and make sure the software recognizes your FPGA (using the Programmer tool, as below). When programming the FPGA, make sure that the USB Blaster is selected as shown in the figure below.

