

USB-Blaster Driver for Windows

You must install the Altera® USB-Blaster™ or Altera USB-Blaster II download cable driver before you can use it to program devices with Quartus®Prime software.

The first time the USB-Blaster download cable is plugged in, the Windows **Found New Hardware** dialog box prompts you to install the driver. (Note: Do not use the **Add Hardware Wizard** from the Control Panel.)

The USB-Blaster II device drivers require manual installation so that the cable will be properly recognized. Refer to the instructions below.

The Altera On-Board USB-Blaster II cable appears as Altera USB-Blaster (unconfigured) when first attached to your system. After it has been configured by the Quartus Prime software, it will appear as Altera USB-Blaster II (JTAG interface) and then Altera USB-Blaster II (SystemConsole interface). You might need to install drivers for each of these interfaces; follow the steps below to install the drivers.

You must have system administration (Administrator) privileges to install the USB-Blaster and USB-Blaster II download cable driver.

Driver Installation for Altera USB-Blaster

1. Plug the USB-Blaster download cable into your 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** dialog box.
6. Click **Browse**, and browse to the **<Path to Quartus Prime installation>\drivers\usb-blaster** directory.
 1. Note: Do not select the x32 or x64 directories.
7. Click **OK**.
8. Select the **Include subfolders** option, and click **Next**.
9. 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. The installation wizard guides you through the installation process.
10. When **The software for this device has been successfully installed** dialog box appears, click **Close**.
11. To complete your installation, [set up programming hardware in the Quartus Prime software](#).

Driver Installation for Altera USB-Blaster II

1. Plug the USB-Blaster II cable into your PC.
2. Open the **Device Manager**, and right-click on the **Unknown device** under the **Other devices** branch.

3. Select **Update Driver Software**.
4. Select **Browse my computer for driver software**.
5. Enter the location of the Quartus Prime software USB-Blaster II driver files directory (<*Path to Quartus Prime installation*>\drivers\usb-blaster-ii) in the **Search for driver software in this location** field.
6. Click **Next**.
7. Click **Install** in the **Would you like to install this device software?** Windows security dialog box.
8. Close the **Update Driver Software - Altera USB-Blaster II (Unconfigured)** successful installation notification. The Device Manager now shows a new branch called **JTAG cables** with an **Altera USB-Blaster II (Unconfigured)** node.
9. Open the Quartus Prime Programmer. Within a few seconds, the **JTAG cables** branch displays two nodes: **Altera USB-Blaster II (JTAG interface)** and **Altera-USB Blaster II (System Console interface)**.