

XMOS startKit Quick Tutorial

v1.1 12-22-2013

Quick tutorial on how to compile and run 'The spinning bar' program on the XMOS startKit with Windows 7 (64 bit) operating system. The XMOS xTIMEcomposer SDK ([Community 13.0.0](#)) tool was used for this exercise.

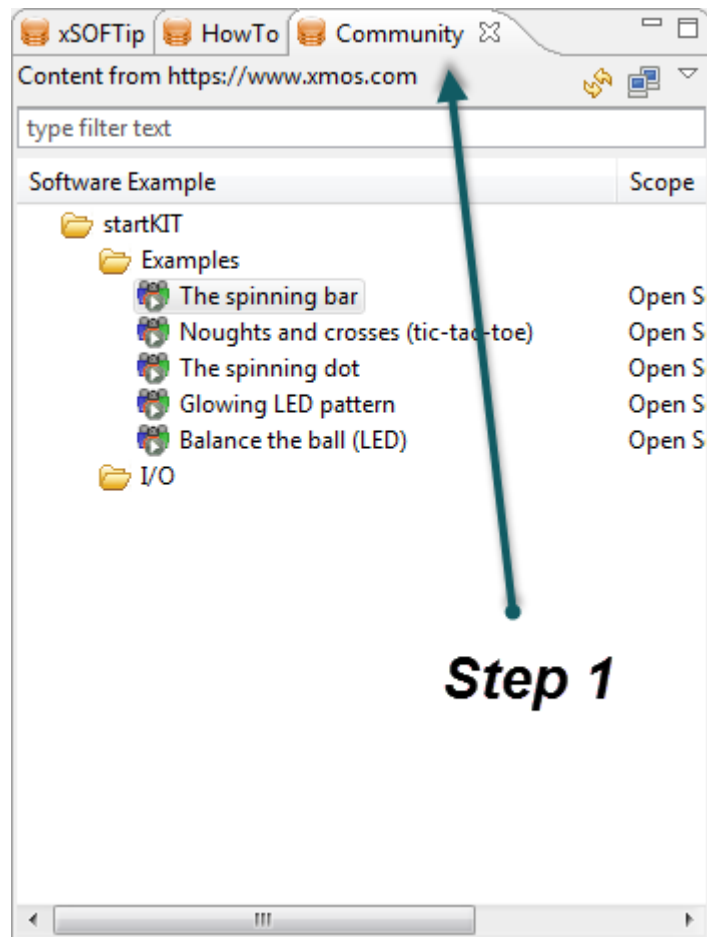


Figure 1

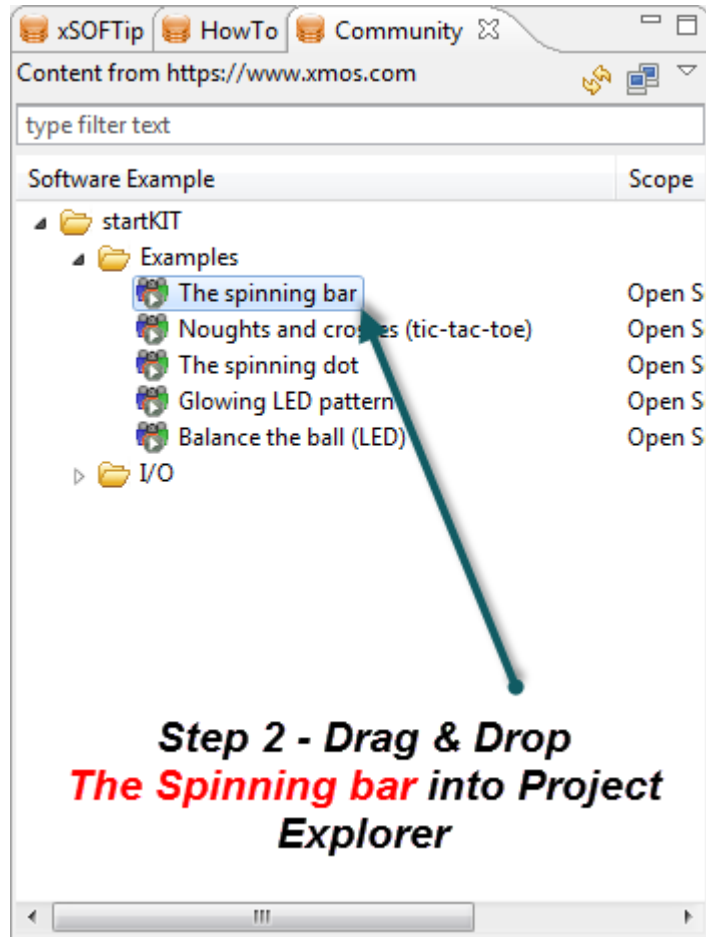


Figure 2

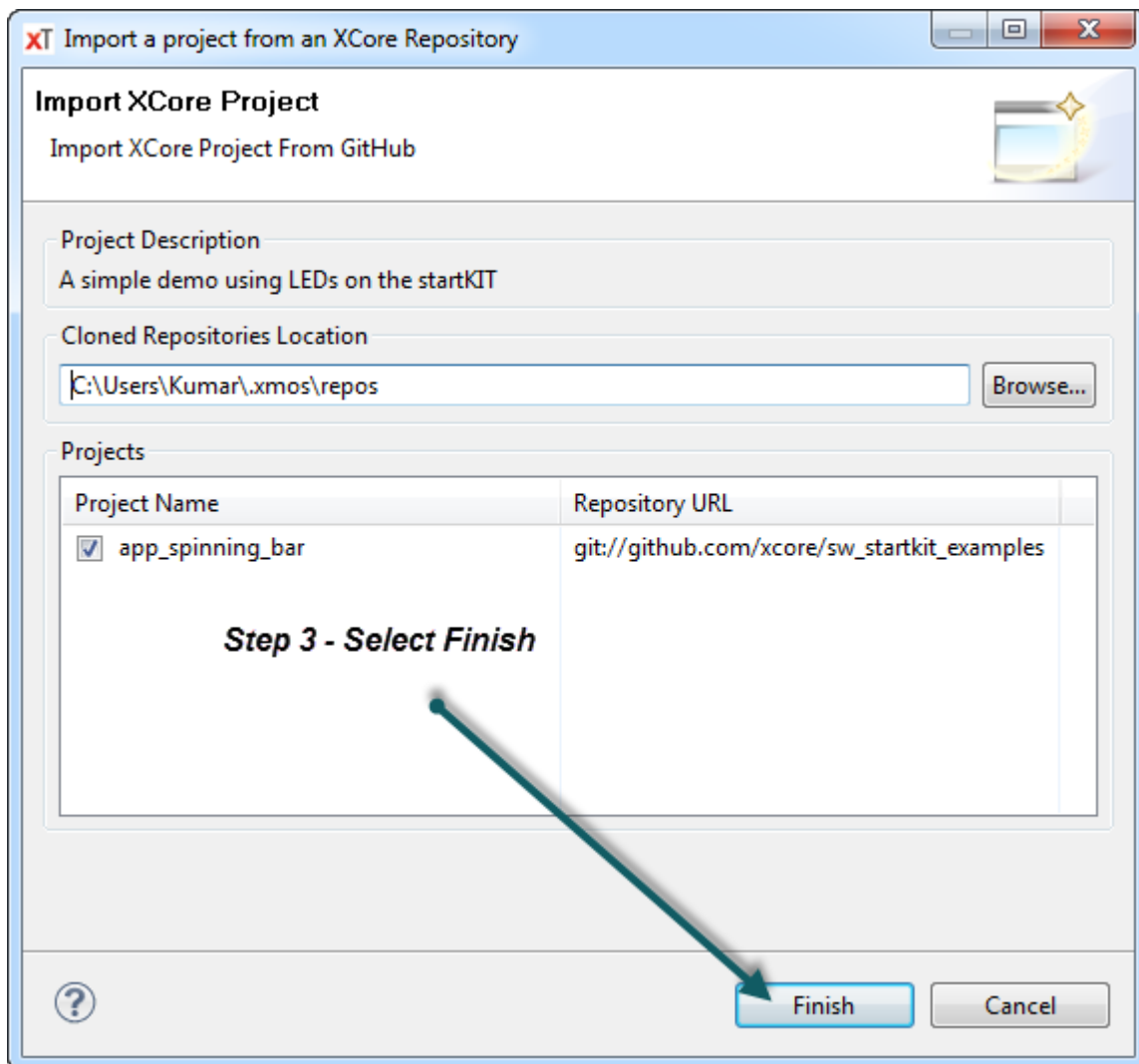


Figure 3

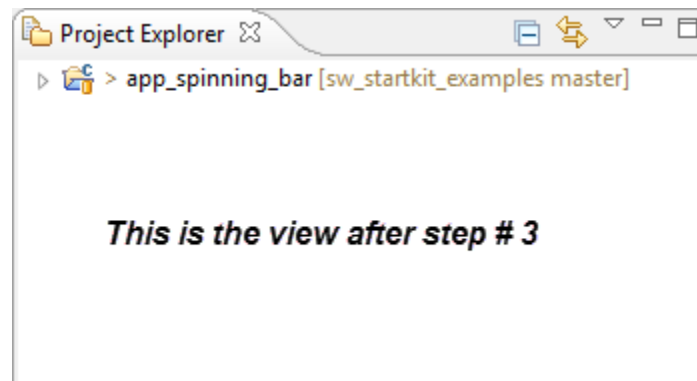


Figure 4

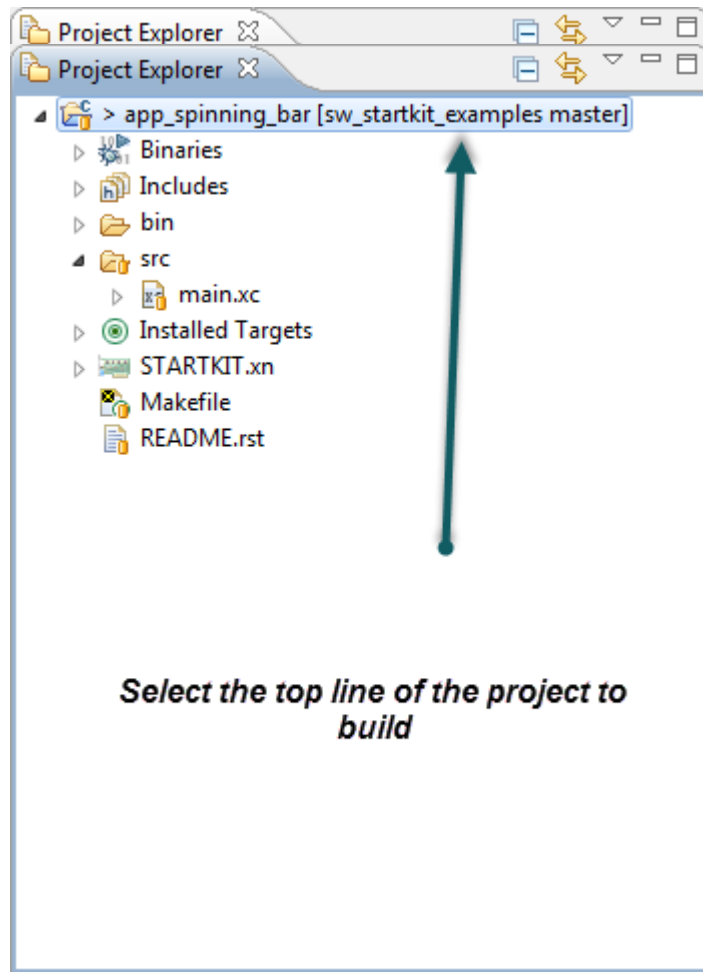


Figure 5



Select Hammer to Build the selected project

Figure 6

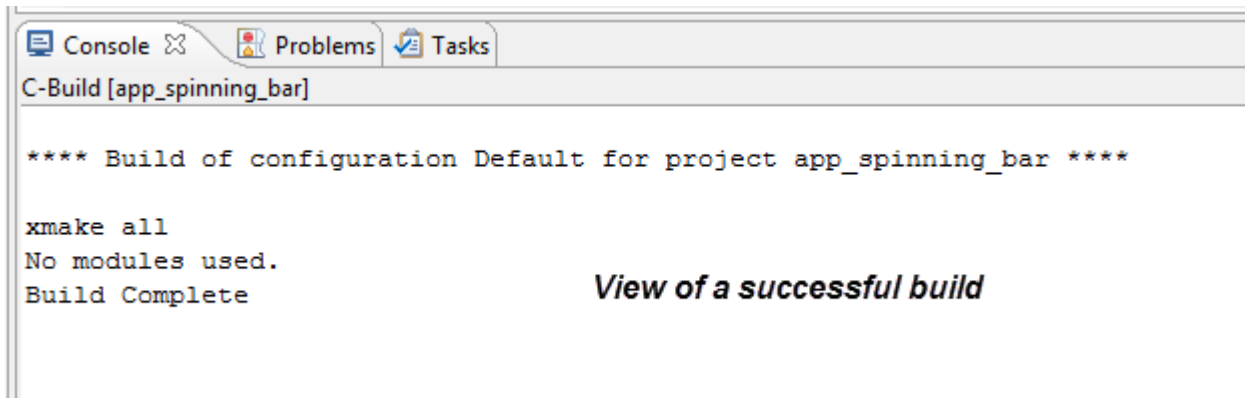


Figure 7

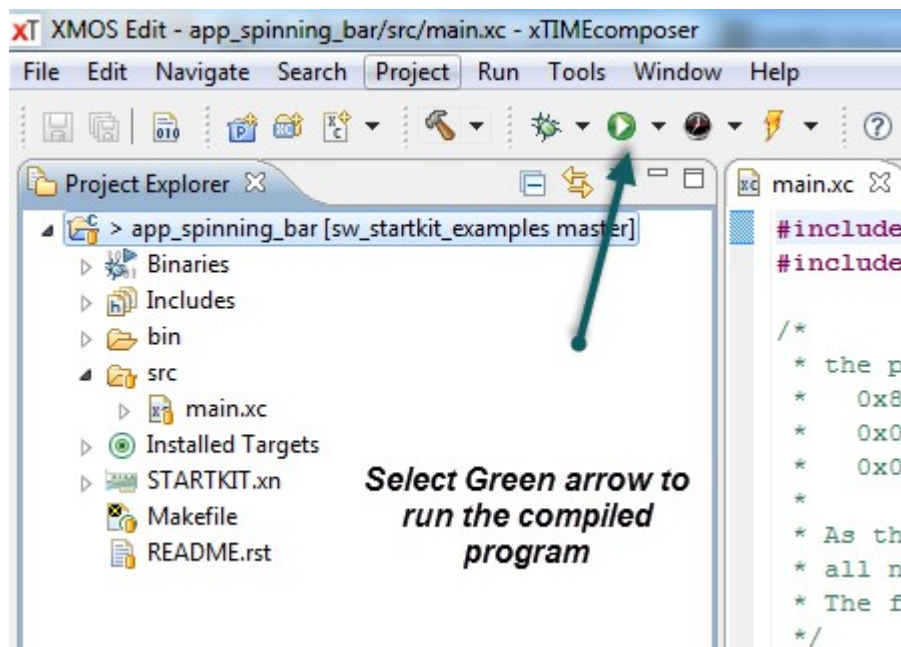


Figure 8

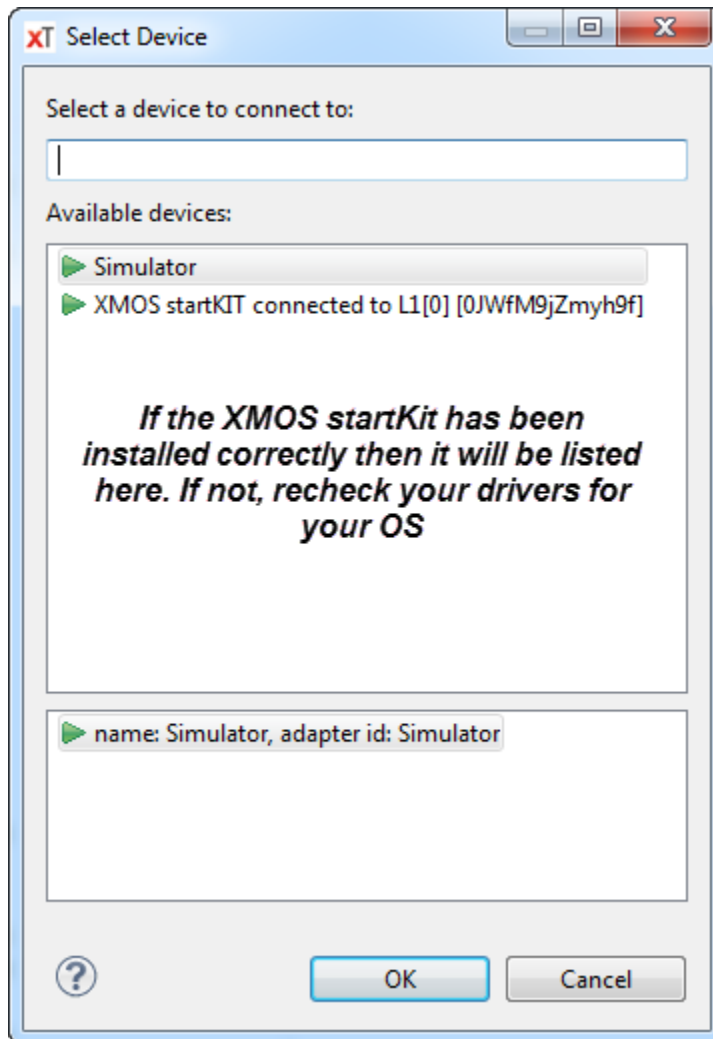


Figure 9

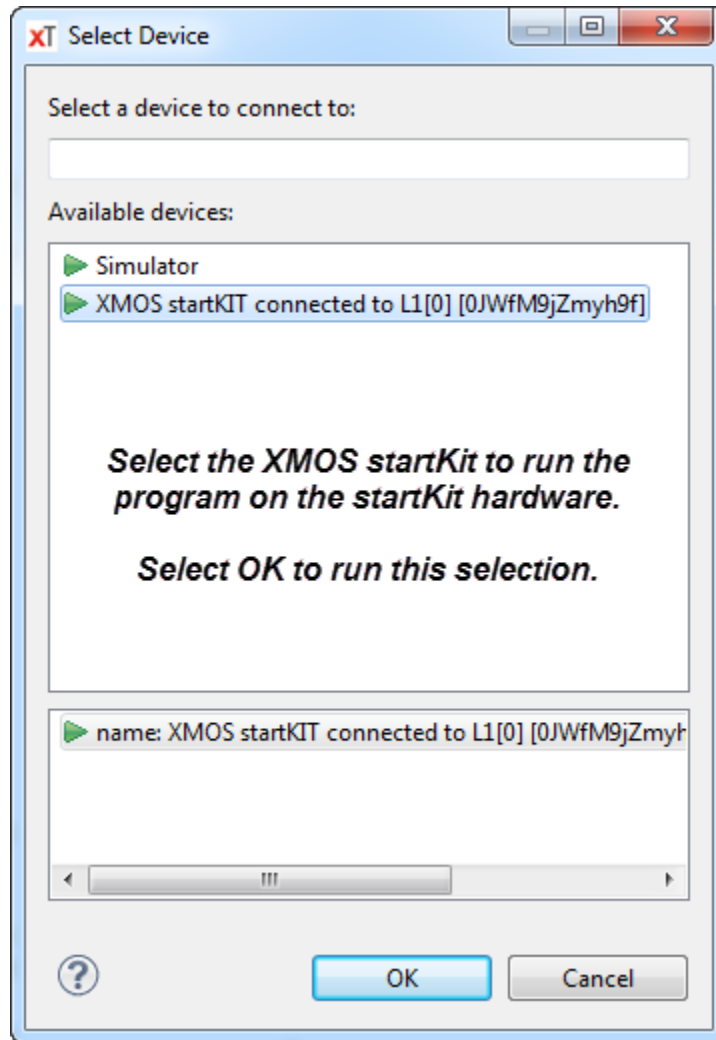


Figure 10

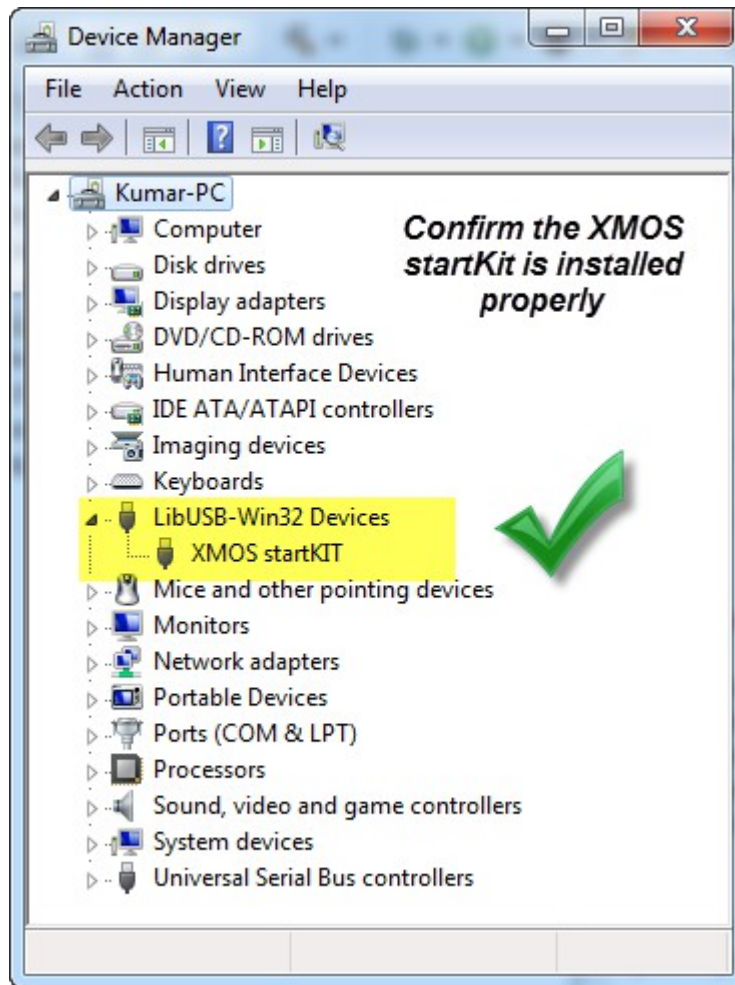


Figure 11

For Windows 64 bit operating systems you may have to update your device driver from the following webpage:

<http://www.xcore.com/sites/default/files/xtag-2.zip>

Download the above latest driver package and extract to a local folder. We saw Figure 15 on our first attempt to install the 13.0.0 SDK on the Windows 7 64 bit platform.

How to Update the XMOS startKit JTAG Interface Driver

First, close the XMOS xTimecomposer SDK tool.

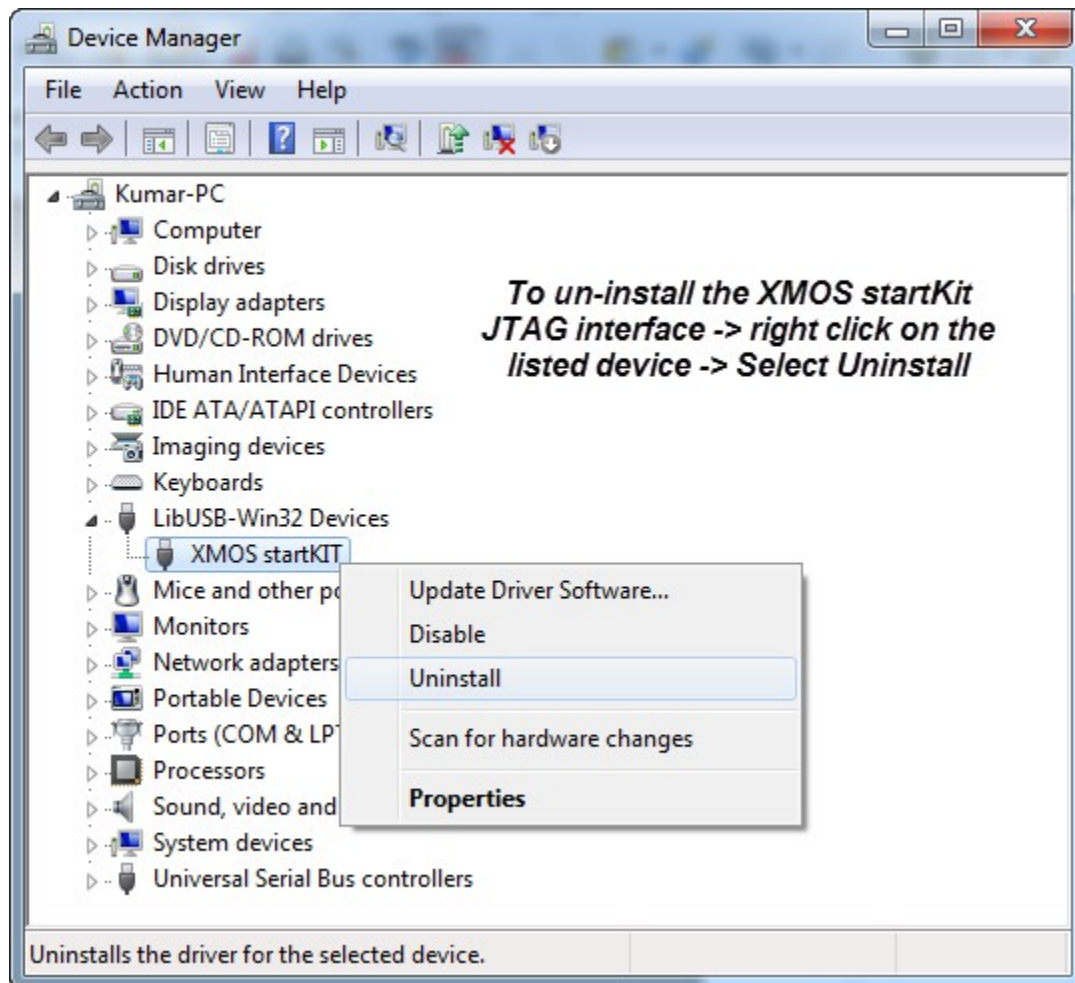


Figure 12



Figure 13

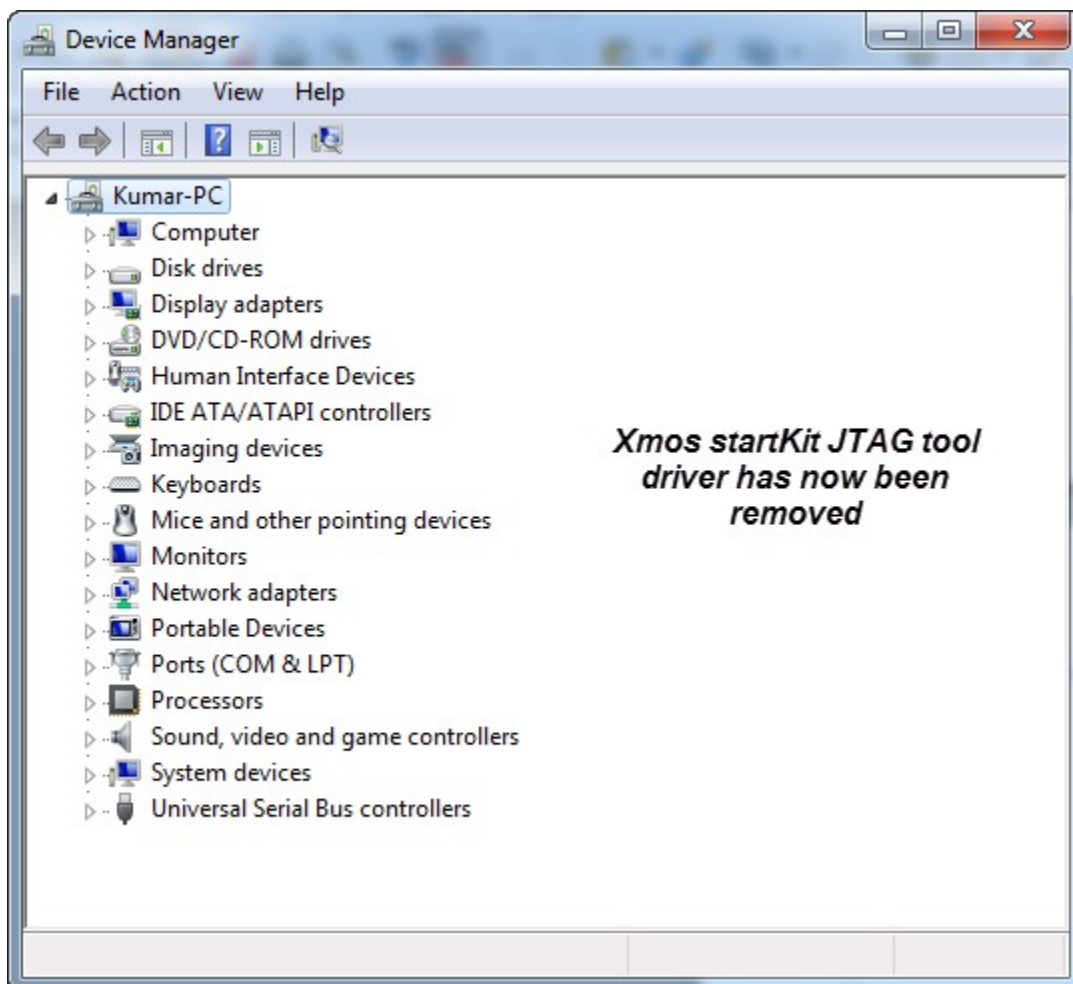


Figure 14

Unplug the kit from the USB port and re-insert into any USB port for a fresh detection.

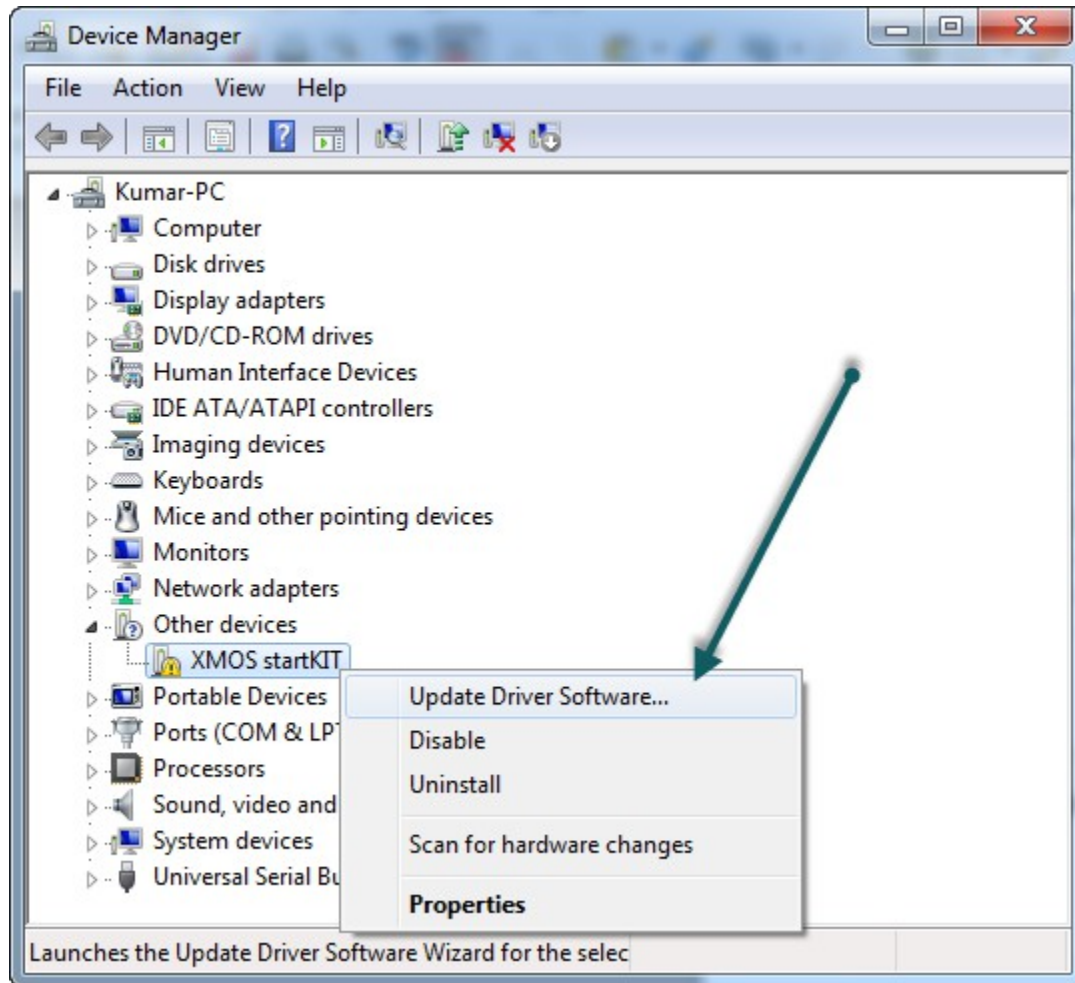


Figure 15

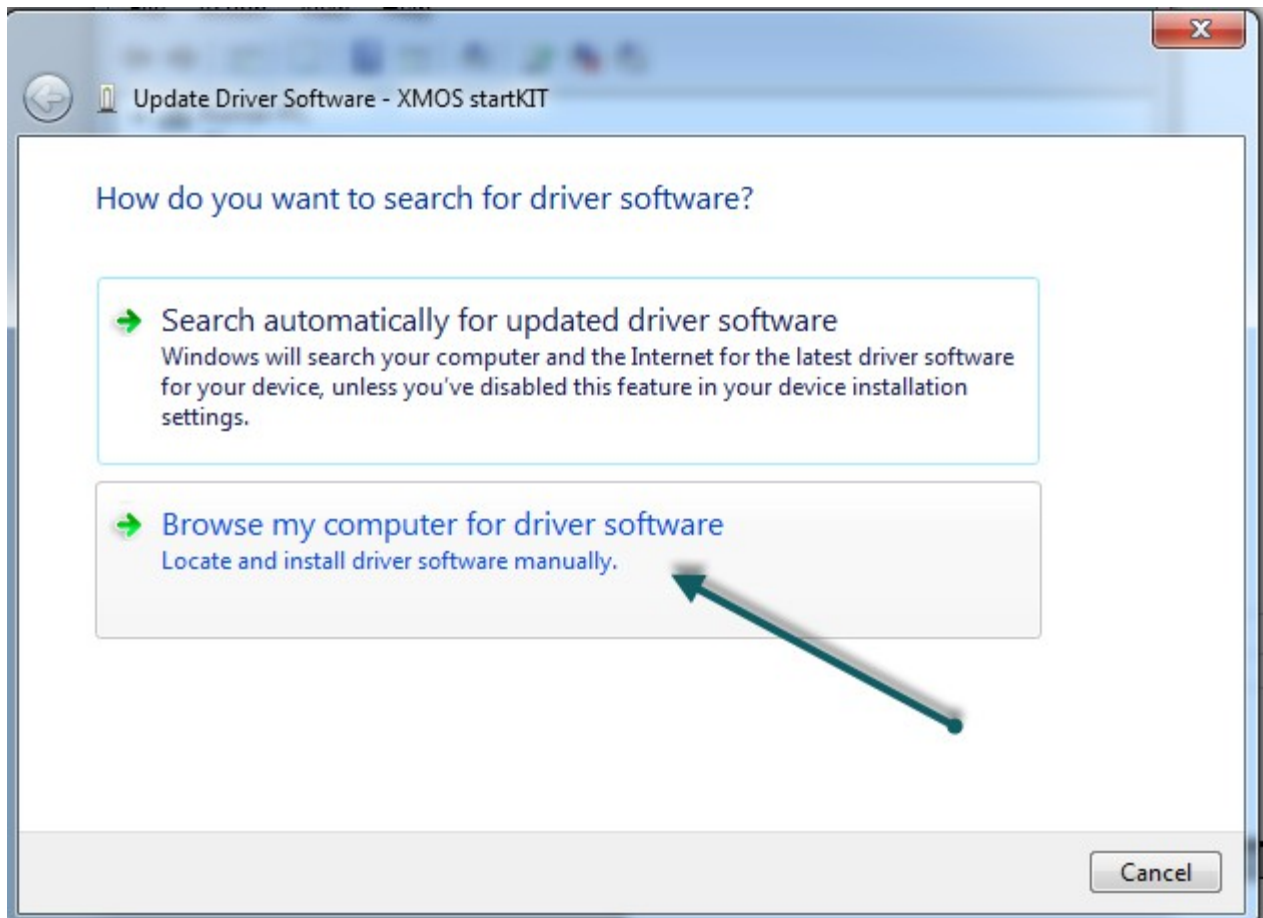


Figure 16

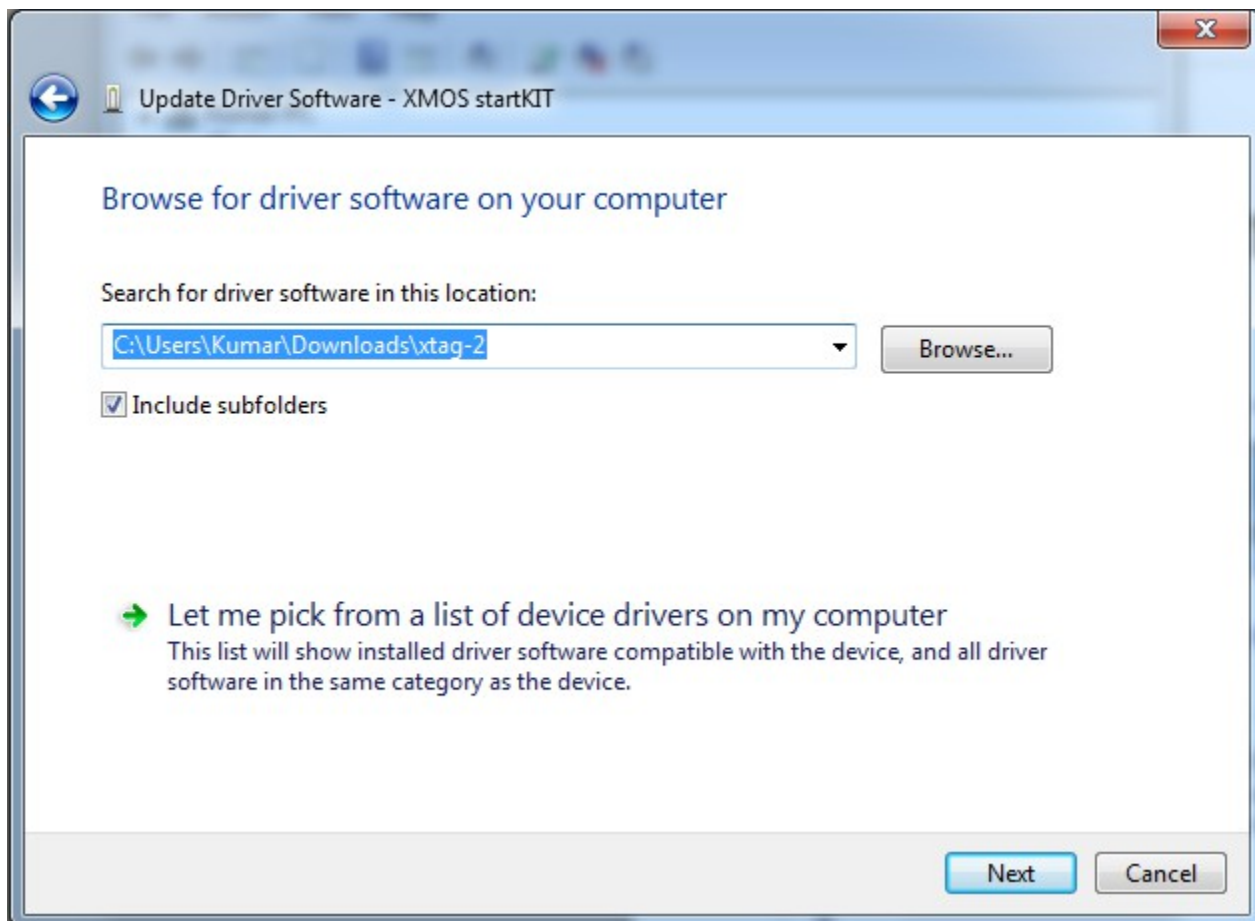


Figure 17

Select the local folder name on your system where the latest drivers have been extracted

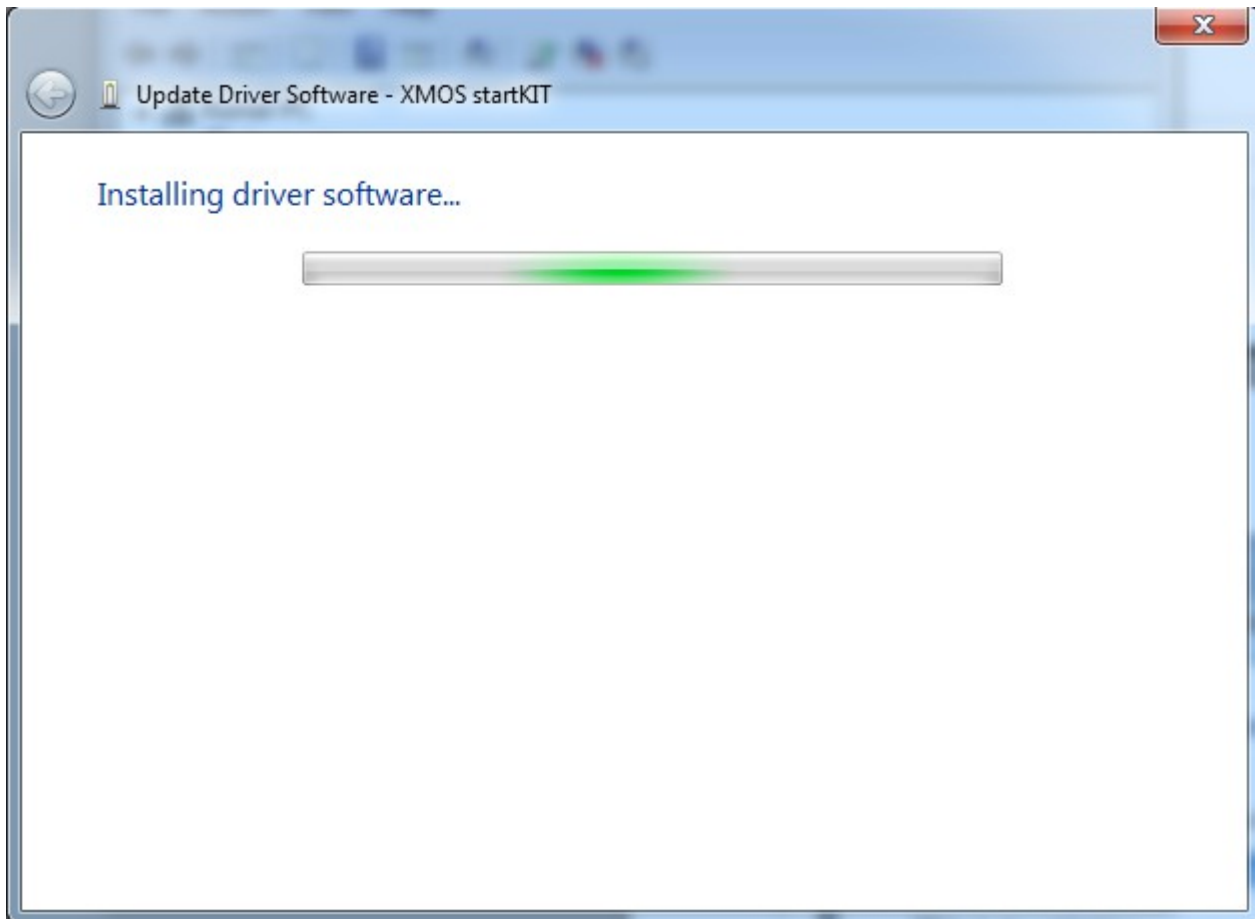


Figure 18

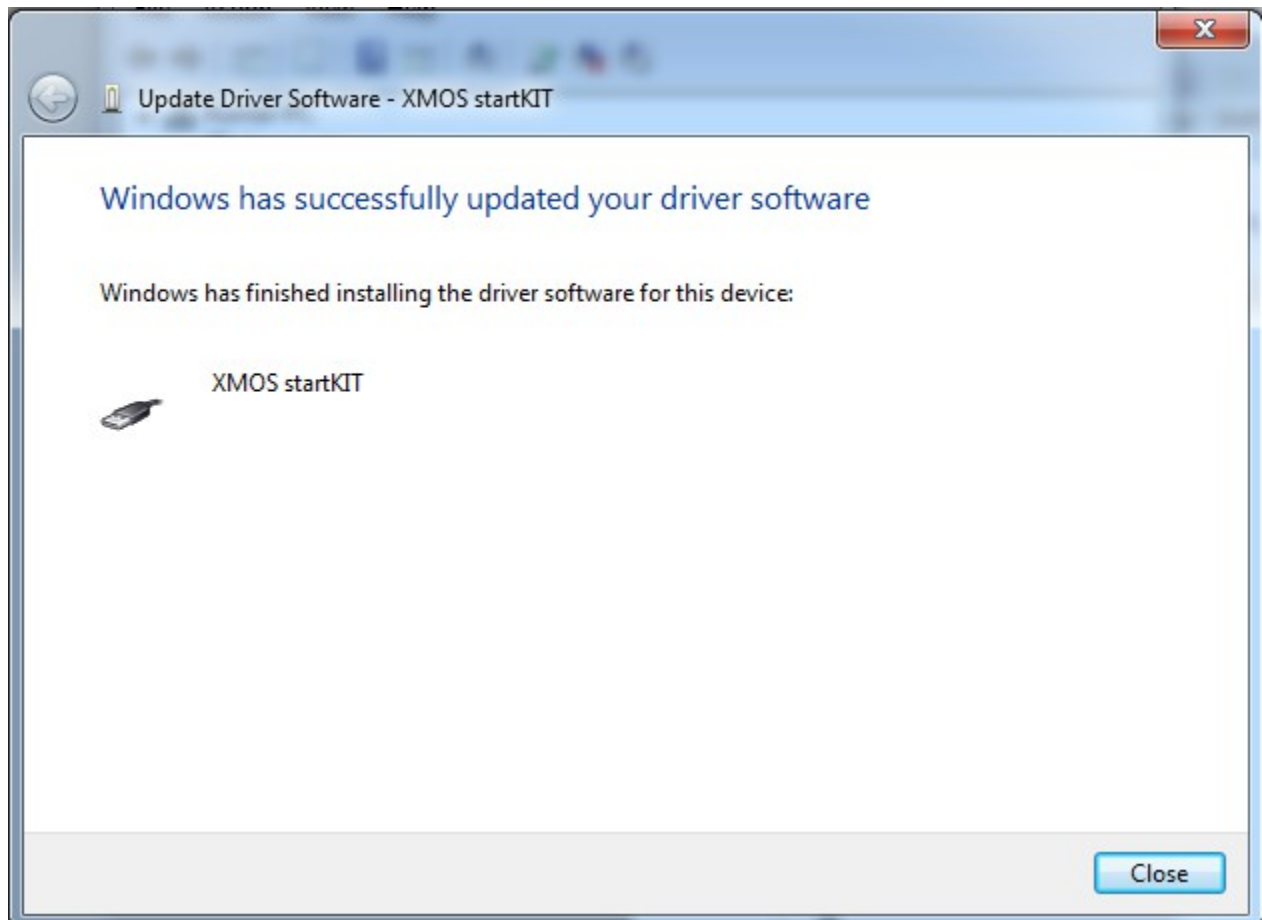


Figure 19

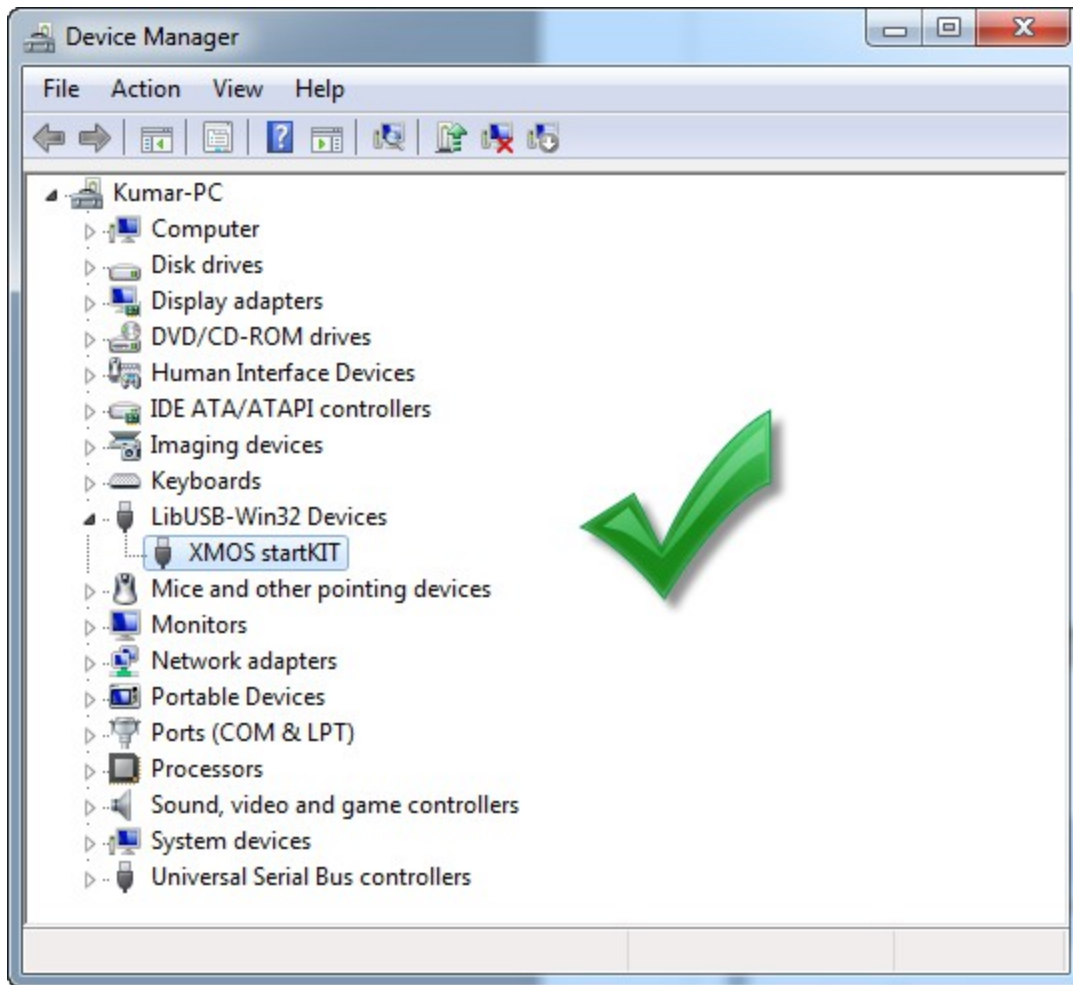


Figure 20

Troubleshooting Installation Hints

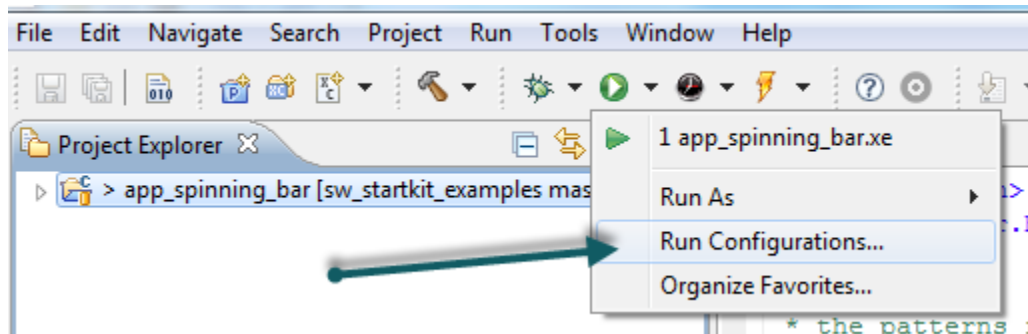


Figure 21

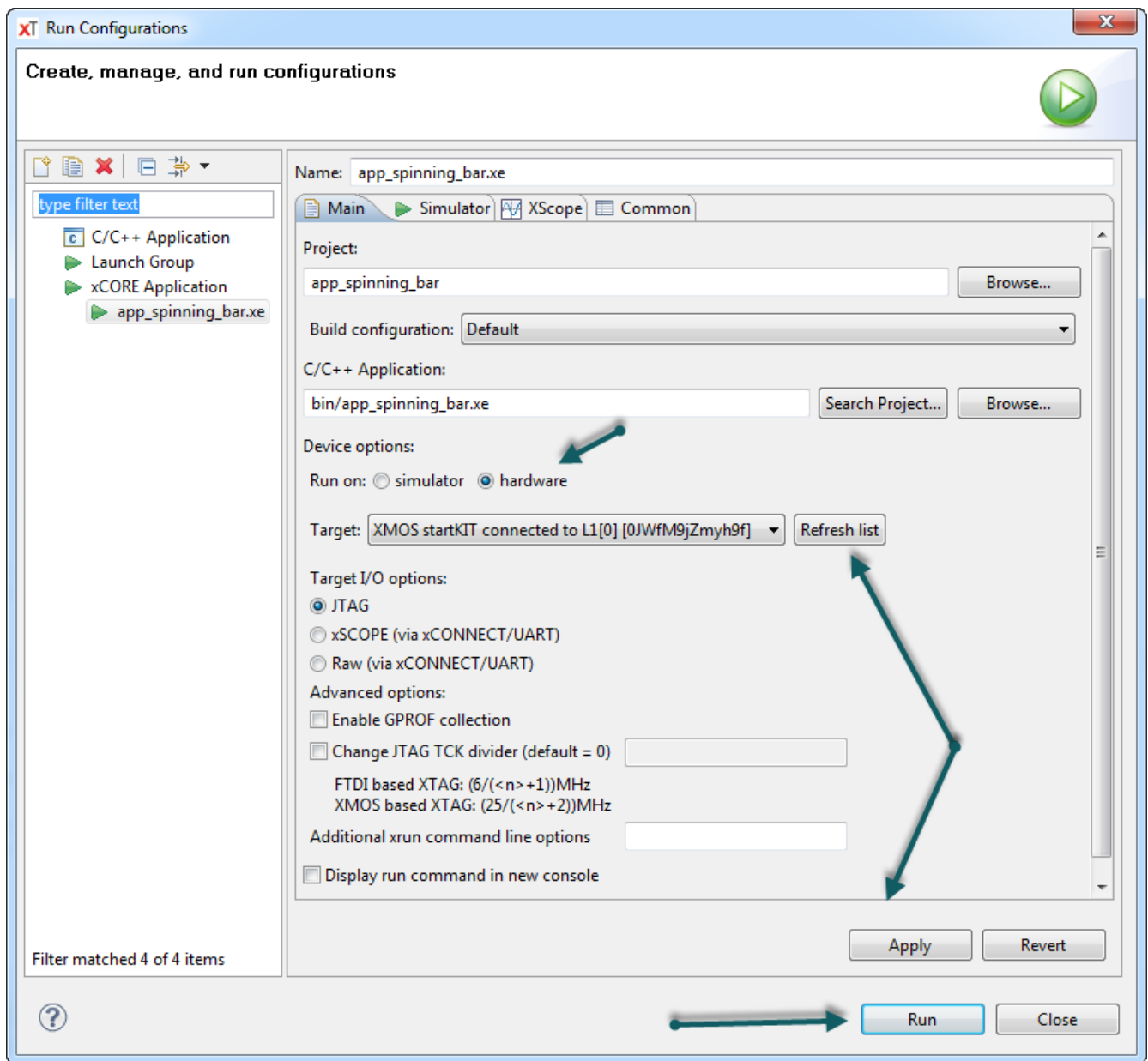


Figure 21

Document Revisions

- 1.0 – initial release
- 1.1 - added missing Step 2
 - added Figure references
 - added How to Update JTAG driver package (Windows 64 bit)
 - added Troubleshooting Installation Hints