Manual Driver Installation

If you have problems with the Windows drivers and need to install them manually, the steps for Windows XP and 7 are here. Windows 8 should mirror the Windows 7 steps.

Windows XP Driver Installation

1. To see which drivers are installed on your host computer, check the hardware properties using the Windows Device Manager. Do the following:

A. Click on the Windows Start button. Right-click on My Computer and select Properties from the drop-down menu.

B. In the System Properties window, click the Hardware tab.

C. Click the Device Manager button.

The Device Manager window displays a list of hardware devices installed on your computer and allows you to set the properties for each device. When the evaluation board is connected to the computer for the first time, the computer detects the onboard ICDI interface and the Stellaris® LM4F120H5QR microcontroller.

Drivers that are not yet installed display a yellow exclamation mark in the Device Manager window.

Using the included USB cable, connect the USB emulation connector on your evaluation board (marked DEBUG) to a free USB port on your PC. A PC's USB port is capable of sourcing up to 500 mA for each attached device, which is sufficient for the evaluation board. If connecting the board through a USB hub, it must be a powered hub.

Windows will start the Found New Hardware Wizard as shown below. Select "No, not this time" and then click "Next".

Found New Hardware Wizard				
	Welcome to the Found New Hardware Wizard			
	Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission). <u>Read our privacy policy</u>			
	Can Windows connect to Windows Update to search for software?			
	 Yes, this time only Yes, now and every time I connect a device No, not this time 			
	Click Next to continue.			
	< Back Next > Cancel			

The next dialog will ask where the drivers can be found. Select "Install from a list or specific location" and then click "Next".



Direct the wizard to the drivers that you downloaded earlier as shown below. Then click "Next".

Found New Hardware Wizard
Please choose your search and installation options.
 Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
✓ Include this location in the search:
C:\StellarisWare\stellaris_icdi_drivers Browse Browse
O Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
K K K K K K K K K K K K K K K K K K K

When the following Windows Logo Testing box appears, click "Continue Any-way".

Hardwa	Hardware Installation		
	The software you are installing for this hardware: Stellaris Virtual Serial Port has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.		
	Continue Anyway STOP Installation		

When the wizard completes, click "Finish".



Repeat this process for the other two drivers (the Windows Logo testing box may not appear again).

Note that the drivers now appear under the "Ports" and "Stellaris In-Circuit Debug Interface" headings.



If you have driver difficulties later, you can try the "Update driver..." process (right-click on each driver). If that fails, you can delete all three drivers and reinstall them. The drivers will only appear in the Device Manager when the board is connected to the USB port.

Write down the COM port number that Windows assigned for the Stellaris Virtual Serial Port here: _____

Close your Device Manager window(s).

Skip the Windows 7 installation step and continue with the quickstart application in step **Error! Reference source not found.**

Windows 7 Driver Installation

- 2. To see which drivers are installed on your host computer, check the hardware properties using the Windows Device Manager. Do the following:
 - A. Click on the Windows Start button. Right-click on Computer and select Properties from the drop-down menu.
 - B. Click on Device Manager on the left of the dialog.

The Device Manager window displays a list of hardware devices installed on your computer and allows you to set the properties for each device. When the evaluation board is connected to the computer for the first time, the computer detects the onboard ICDI interface and the Stellaris® LM4F120H5QR microcontroller.

Drivers that are not yet installed display a yellow exclamation mark in the Device Manager window.

Using the included USB cable, connect the USB emulation connector on your evaluation board (marked DEBUG) to a free USB port on your PC. A PC's USB port is capable of sourcing up to 500 mA for each attached device, which is sufficient for the evaluation board. If connecting the board through a USB hub, it must be a powered hub.

After a moment, all three drivers should appear under the "Other devices" heading as shown below:

File A	ction View Help
⊿ S	cott-PC
Þ	Batteries
Þ	Computer
Þ	Disk drives
⊳ .∎	Display adapters
Þ	DVD/CD-ROM drives
	🖁 Human Interface Devices
⊳∈	IDE ATA/ATAPI controllers
⊳.≥	Imaging devices
⊳ [Infrared devices
⊳ .⊂	Keyboards
⊳-2	Mice and other pointing devices
Þ	Monitors
Þ -	Network adapters
4 - 🛛	Other devices
	🜆 In-Circuit Debug Interface
F [2]	📠 In-Circuit Debug Interface
	🖣 In-Circuit Debug Interface
▷ 🚺	Portable Devices
Þ. 4	Ports (COM & LPT)
Þ	Processors
Þ 4	Sound, video and game controllers
	System devices
Þ1	Universal Serial Bus controllers

Right-click on the top instance of "In-Circuit Debug Interface" and then click on "Update Driver Software..." in the drop-down menu that appears.

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⊿ 📲 Scott-PC			
Batteries			
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Disk drives			
Display adapters			
DVD/CD-ROM drives			
Human Interface Devices			
IDE ATA/ATAPI controllers			
Imaging devices			
Infrared devices			
Keyboards			
Mice and other pointing devices			
 Mice and other pointing devices Monitors 			
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 -2 Mice and other pointing devices Monitors Metwork adapters Other devices 			
 -2 Mice and other pointing devices Monitors Network adapters Other devices Im In-Circuit Debug Interface 	Update Driver Software		
 Mice and other pointing devices Monitors Network adapters Other devices Image: In-Circuit Debug Interface Image: In-Circuit Debug Interface 	Update Driver Software		
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 Mice and other pointing devices Monitors Network adapters Other devices In-Circuit Debug Interface In-Circuit Debug Interface In-Circuit Debug Interface Portable Devices 	Update Driver Software Disable Uninstall		
 Mice and other pointing devices Monitors Network adapters Other devices In-Circuit Debug Interface In-Circuit Debug Interface In-Circuit Debug Interface Portable Devices Ports (COM & LPT) 	Update Driver Software Disable Uninstall Scan for hardware changes		
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 Mice and other pointing devices Monitors Network adapters Other devices In-Circuit Debug Interface In-Circuit Debug Interface In-Circuit Debug Interface Portable Devices Ports (COM & LPT) Processors Sound, video and game contr System devices 	Update Driver Software Disable Uninstall Scan for hardware changes Properties		

Click "Browse my computer for driver software" in the window that appears.



Direct the wizard to the drivers that you downloaded earlier as shown below. Then click "Next".

G	Update Driver Software - In-Circuit Debug Interface	×
	Browse for driver software on your computer	
	Search for driver software in this location:	
	C:\StellarisWare\stellaris_icdi_drivers Brows	e
	 Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all software in the same category as the device. 	driver
		Next Cancel

When the Windows Security windows appears, click "Install this driver software anyway"



When the completion window appears, click "Close". Note that your serial port number may be different than shown below.

🕞 🗕 Update Driver Software - Stellaris Virtual Serial Port (COM6)	22
Windows has successfully updated your driver software	
Windows has finished installing the driver software for this device:	
Stellaris Virtual Serial Port	
	Close

Repeat this process for the other two drivers.

Note that the drivers now appear under the "Ports" and "Stellaris In-Circuit Debug Interface" headings.



If you have driver difficulties later, you can try the "Update Driver Software..." process (right-click on each driver). If that fails, you can delete all three drivers and re-install them. The drivers will only appear in the Device Manager when the board is connected to the USB port.

Write down the COM port number that Windows assigned for the Stellaris Virtual Serial Port here: _____

Close your Device Manager window(s)