

TI SensorEval Windows7 Patch Install Guide

1 Introduction

TI Sensor Evaluation (SensorEval) 1.2.0 package includes the SensorEval software with USB driver and documentation. SensorEval software (1.2.0) and USB driver are not made for Windows 7, and only run under Windows 98/ME/2000/XP. This document describes steps to work around Windows 7 installation and runtime errors. A patch (lmxx_win7_patch.zip) is enclosed along with this document to make SensorEval and USB driver run in Windows 7. This patch provides a temporary fix, and will soon be replaced by a complete SensorEval package release that includes Windows 7 support.

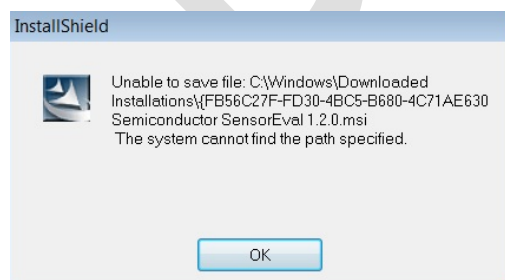
Note: This patch is tested only with LM73, LM75 and LM63 Evaluation boards. Intel ICH interface driver is not modified by this patch and ICH driver is supported only for Windows 98/ME/2000/XP.

2 Windows 7 Installation Steps

- 1) If the EVM is connected to the computer, please unplug the USB cable from the board
- 2) Create a folder called "temp_install" on your Desktop
- 3) Uncompress the file (lmxx_win7_patch.zip) into a known directory "Desktop\temp_install" folder. You should see a new folder called "lmxx_win7_patch" in "Desktop\temp_install".
- 4) If you have already installed SensorEval software (1.2.0) on your Windows7 system, you can skip steps 5, 6 and go to step 7.
- 5) Run SensorEval_1.2.0_Setup.exe (depending on the media you have, this may be on the SensorEval CD or in the SensorEval_1.2.0.zip file)

NOTE: If you previously installed an older version of the software (LmxxEval or SensorEval), you will be asked to uninstall it to avoid conflicts. Any log and register files you generated with the older version will be left in the original directory if you wish to access them later.

- 6) When you see the InstallShield error message shown below click "OK" button and a screen appears. Please select the "Desktop\temp_install" folder you created to use as the temporary installation folder



- 7) To avoid the error message below, please follow steps described below to resolve this issue. Otherwise go to step 9.



- a) Copy the file comdlg32.ocx in "Desktop\temp_install\Imxx_win7_patch" folder to "c:\Windows\system32" folder. For 64bit Vista/Windows7, move the comdlg32.ocx file to "c:\Windows\SysWOW64" folder.
- b) Open a command line window (see important note below) and run following command:

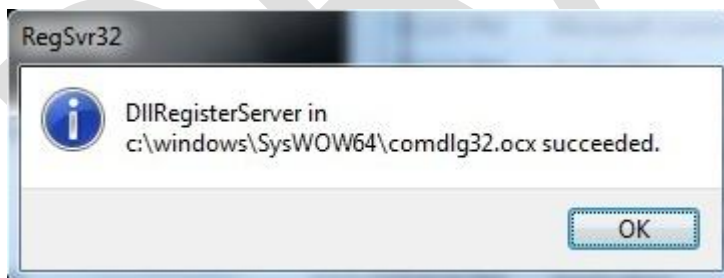
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regsvr32 c:\Windows\system32\comdlg32.ocx
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Note: On 64bit Vista/Windows7, run this command instead

```
regsvr32 c:\Windows\SysWOW64\comdlg32.ocx
```

IMPORTANT NOTE: if you use Windows 7, above command must be done as administrator or regsvr32.exe will fail with error 0x8002801c. To do this as administrator, go to 'All Programs->Accessories->Command Prompt', right click on 'Command Prompt' icon, and click on 'Run as administrator' to start a command prompt, then run the regsvr32 command

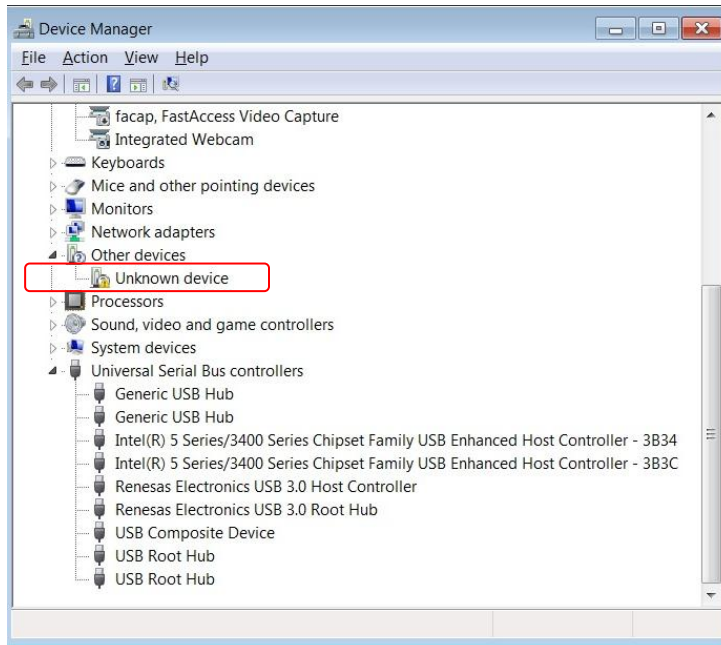
- c) Once comdlg32 is registered successfully, following message prompt will appear



- 8) If using the SensorEval software with the evaluation board, exit the SensorEval software. Reboot your system Windows 7, and press F8 while boot up of the operating system. Select the option "Disable Driver Signature Enforcement" and press enter.

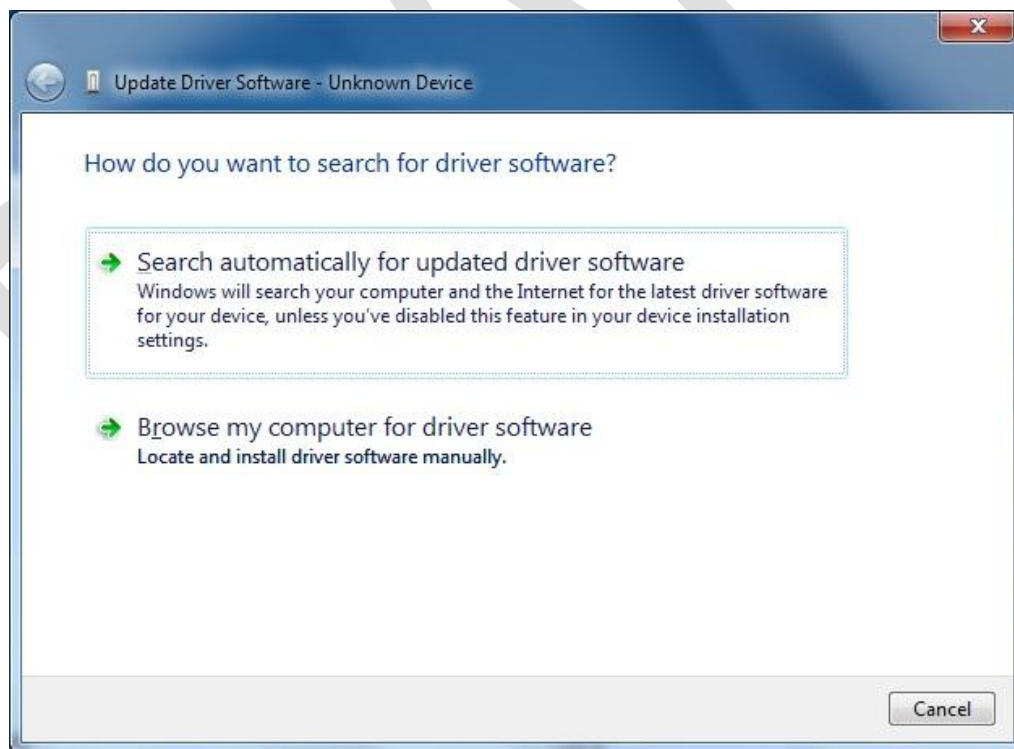
NOTE: Please note every time you reboot the system, you have to disable driver signature enforcement as described above for the windows7 driver to work.

- 9) Plug the USB cable into the evaluation board. In Windows 7 system driver installation will fail, and you will see an "unknown device" under Device Manager (Control Panel->System->Device Manager) as shown below.



10) Right click on the “Unknown device” and select “Update Driver Software...” Your PC should start the “Update Driver Software – Unknown Device” Wizard.

- On the first panel, select the “Browse my computer for driver software” option.



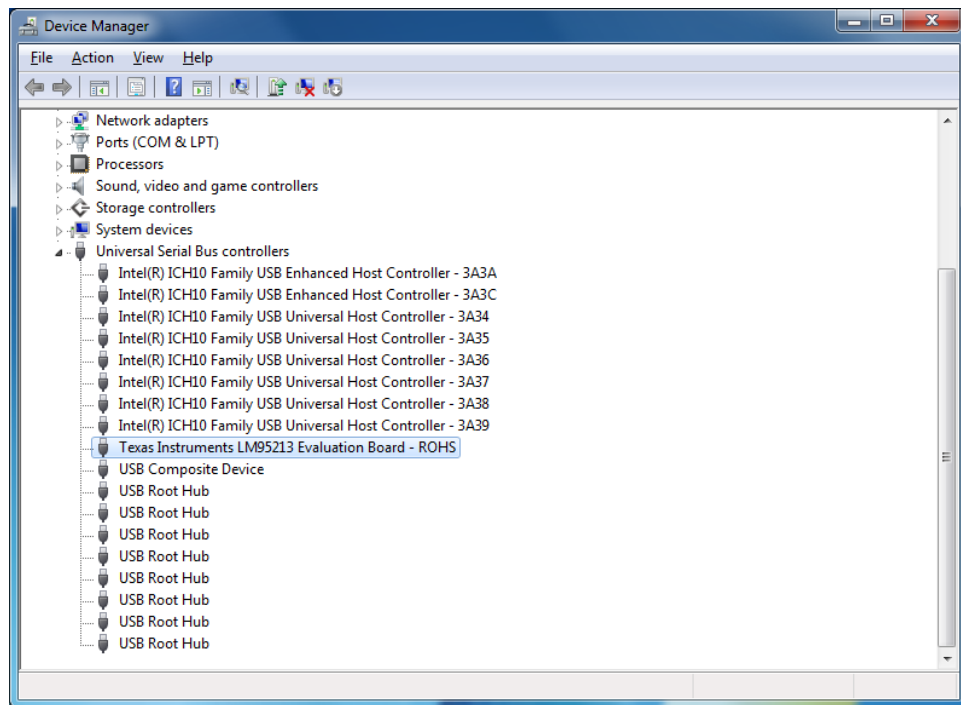
- When asked to choose a location for finding the drivers, provide the location of the saved folder “Desktop\temp_install\lmax_win7_patch\win7_usb_driver”. Use the [Browse] to select this folder location with the drivers. Click [Next]



- The Wizard will now begin installing the drivers from the identified directory for the LMXX evaluation board. Select "Install this driver software anyway" for Windows Security warning.



- It depends on which EVM you are using. You should now see the completion screen, which identifies the successful installation of driver software. Click [close]. For LM75 EVM, the device driver name is incorrect LM95213, please ignore the device name. It is still working properly.



11) Now, you should be able to run the SensorEval software with the evaluation board.