



111 Highland Drive - Putnam, CT 06260  
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# SM2xx/44x/642/303/304

## USB Installation Procedure Manual

SM32Pro For USB Ver 2.34 series

Spectral LLC

### 1. Summary

This installation procedure manual is designed for users who want to install the SM2xx/44x/303/304/642 spectrometer on a Windows system using a USB spectrometer.

### 2. Installation Process

(!) Do not connect the USB spectrometer to the computer until SM32Pro is installed.

#### 2-1. Installing SM32Pro

(1) When you insert the SM32Pro USB flash drive to your machine, the installation program will run automatically. If it does not run automatically, run Setup.exe from the main folder.





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(!) You must choose according to your OS system type.

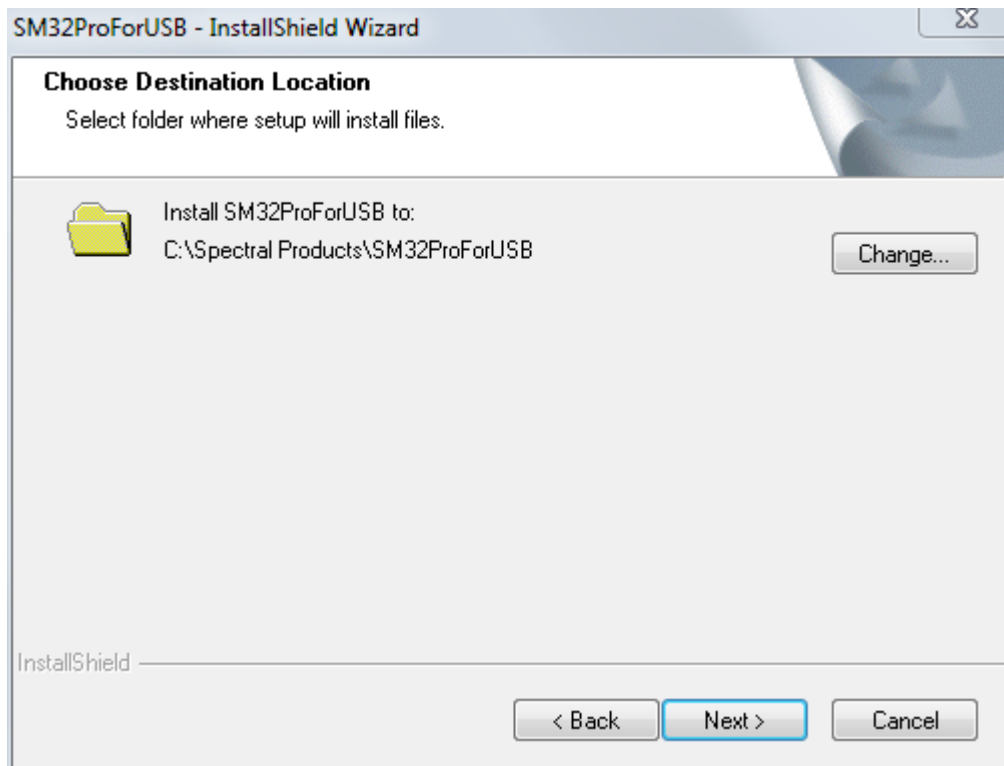
A screenshot of the 'SM32ProForUSB - InstallShield Wizard' dialog box. The title bar shows the window name and a close button. The main area is titled 'Customer Information' and contains the instruction 'Please enter your information.' Below this, a larger text block says 'Please enter your name, the name of the company for which you work and the product serial number.' There are three text input fields: 'User Name:' with placeholder text 'Your User Name', 'Company Name:' with placeholder text 'Your Company', and 'Serial Number:' with placeholder text 'eu'. At the bottom, there is a progress bar labeled 'InstallShield' and three buttons: '< Back', 'Next >', and 'Cancel'.

(2) Enter the Username, Company Name, and Serial Number in their respective text boxes. If you are using a USB spectrometer, be sure to enter "EU" in the Serial Number text box.



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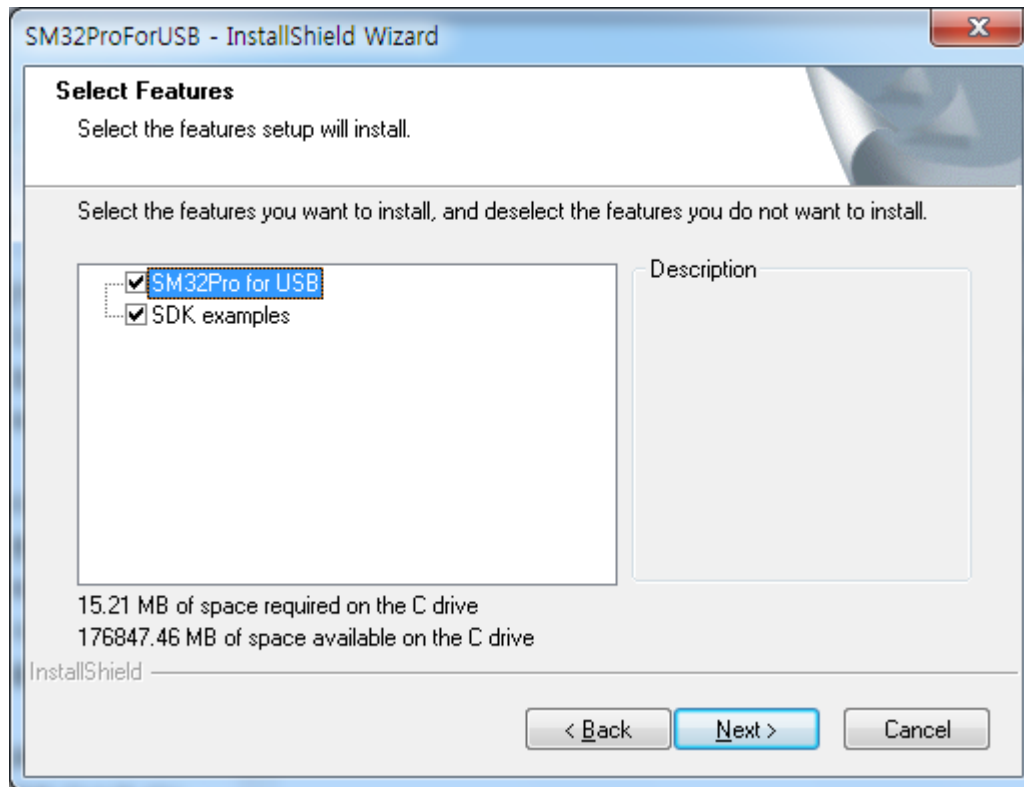


(3) When the “Choose Destination Location” menu appears, press the "Next" button without changing the root folder.



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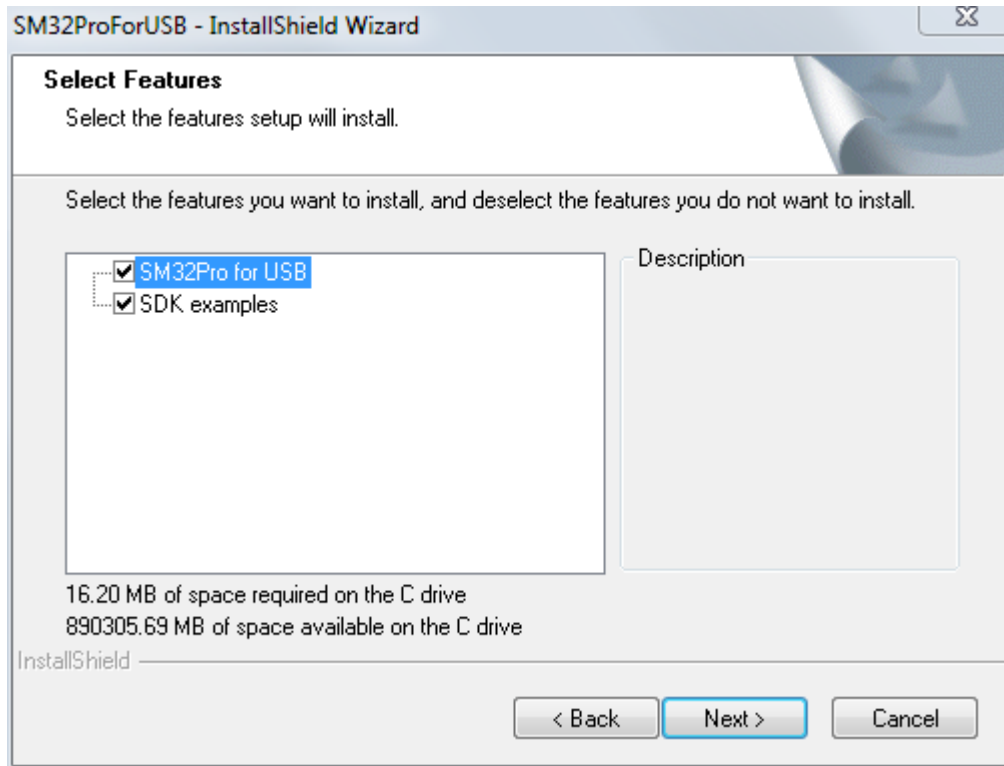


(4) When the "Select Features" menu appears, press the "Next" button as it is.



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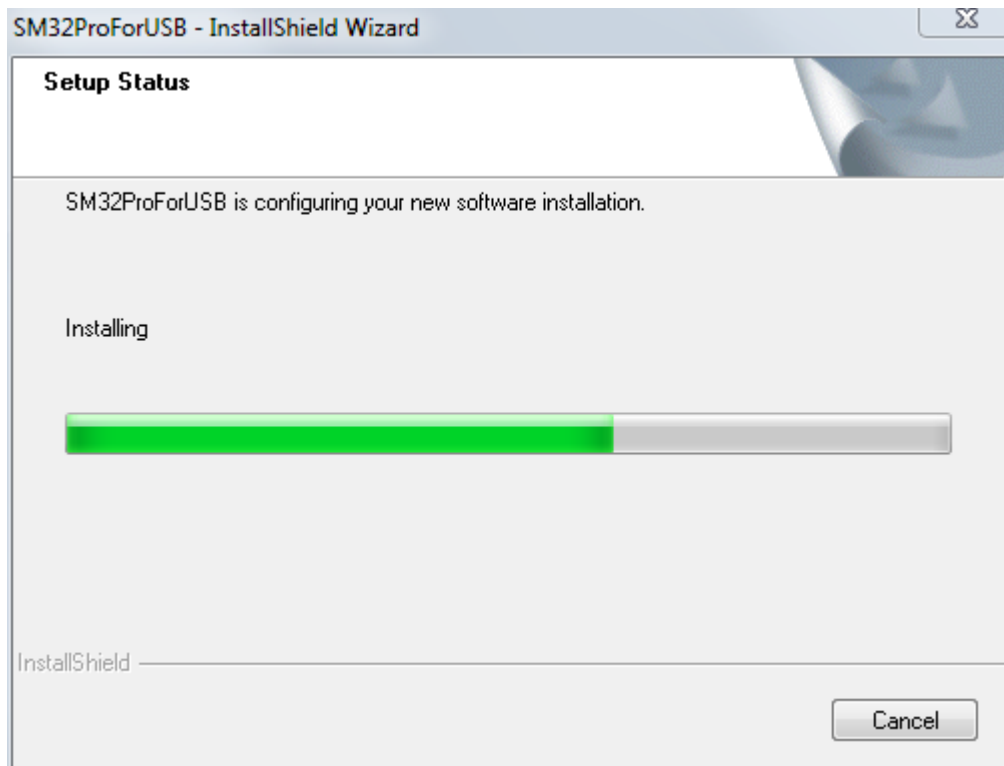


(5) You will be asked whether to install specific applications. Be sure to click the "Install" button to proceed with the software installation.



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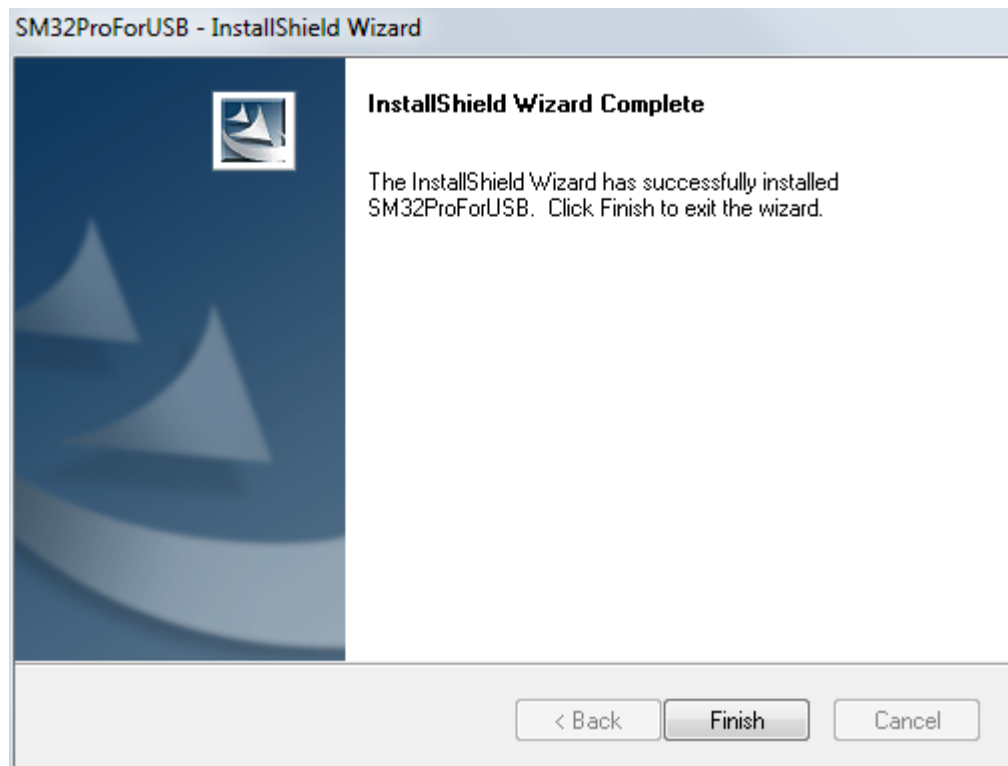


(6) It will automatically search the Windows registry and will automatically install necessary files in the folder.



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(7) Click the Finish button. This completes the installation of the SM32Pro software.



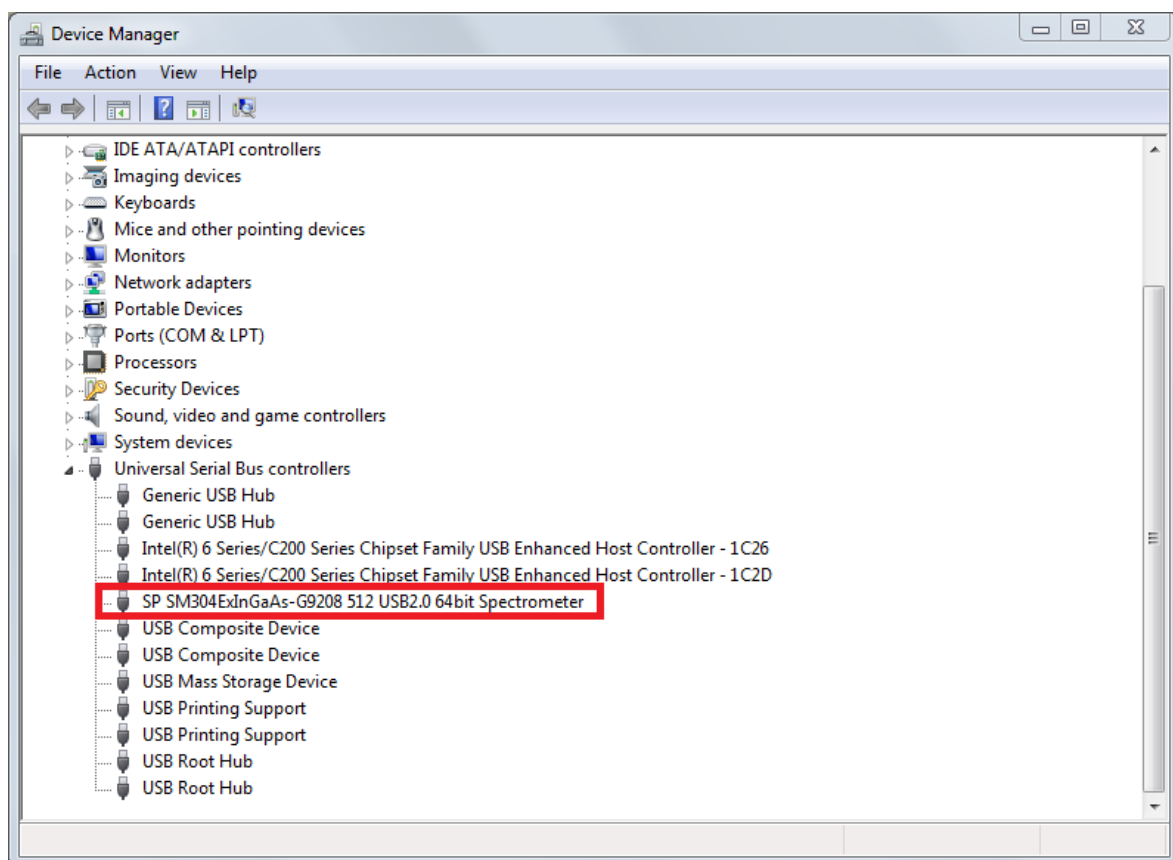
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## 2-2. USB Driver Recognition

(1) After installing the SM32Pro software, connect the spectrometer to the computer using the USB cable.

(2) When a new device is detected in the window, it will be automatically installed. You can re-check under USB controllers in device manager for confirmation.



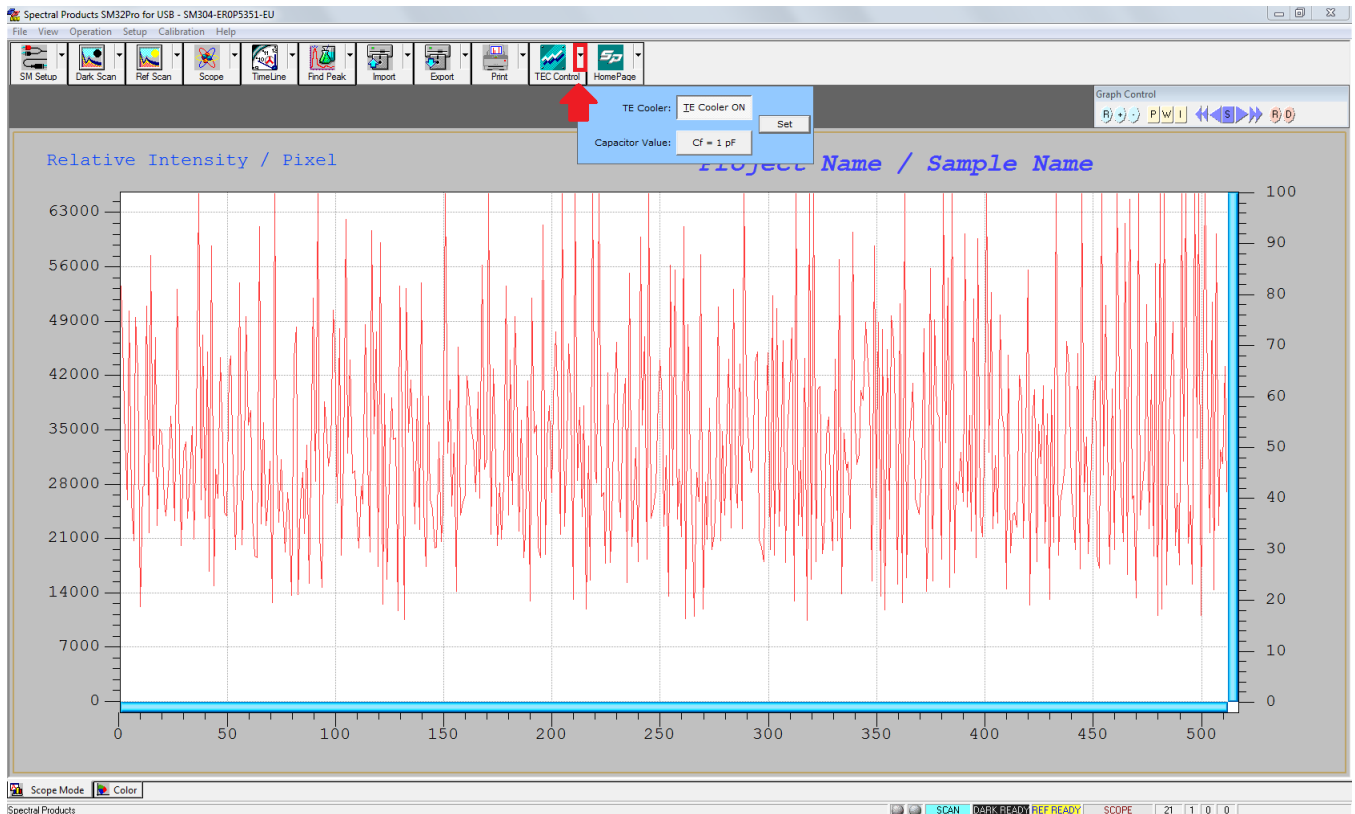




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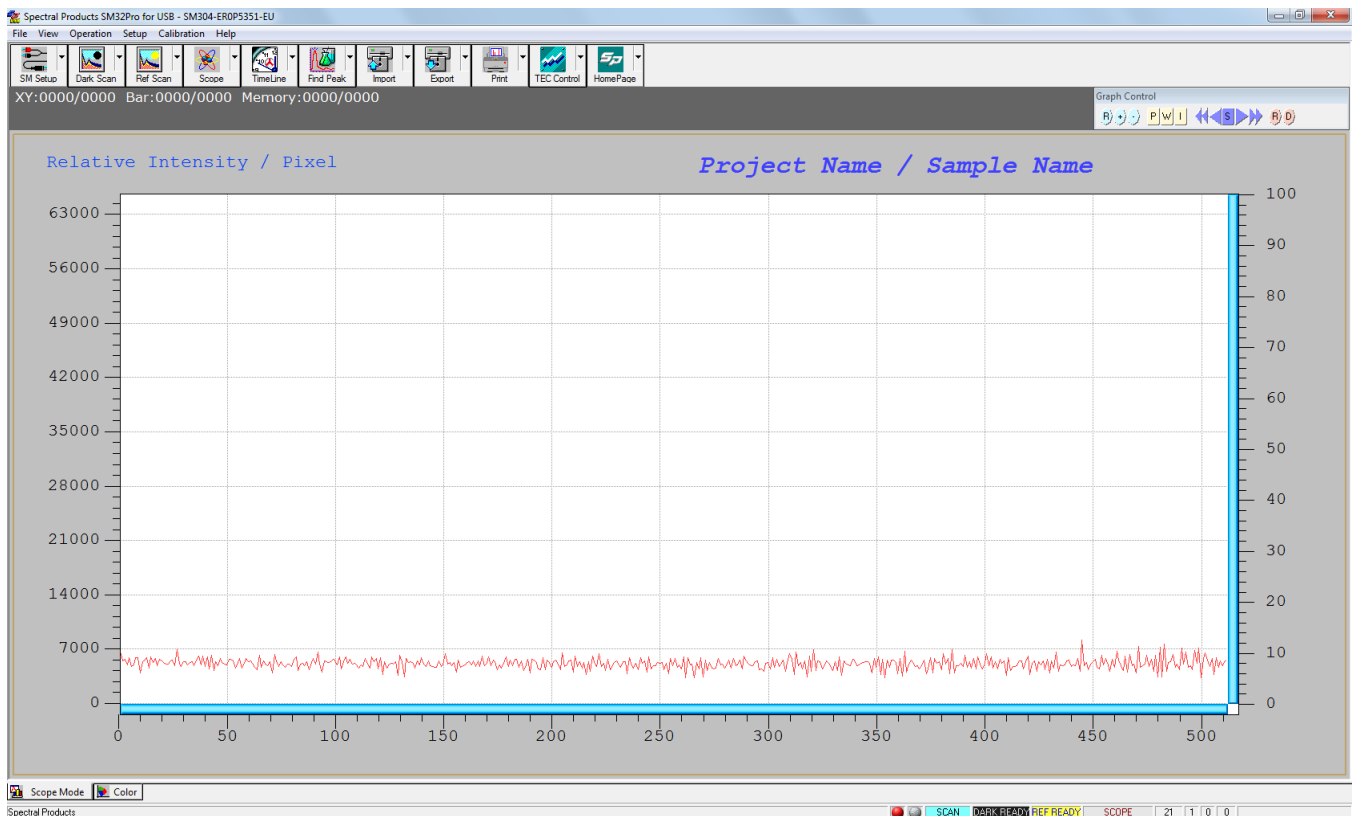
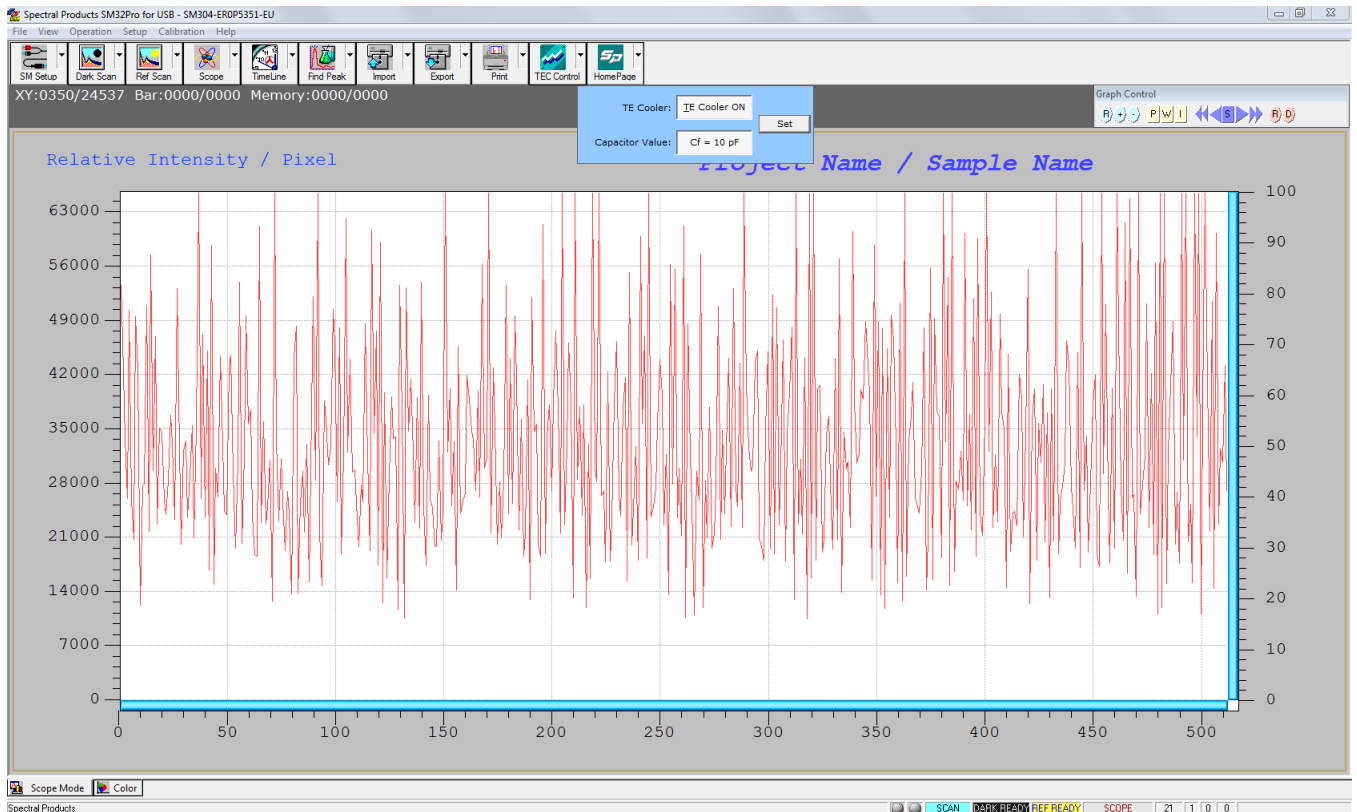
(3) You can now run SM32Pro software with the USB spectrometer. Change the TEC Control option by pressing the “Cf = 1 pF” button and changing it to “Cf = 10 pF”. Then press the “Set” button to activate it. (The capacitor value is related to the sensitivity of the detector. Choosing 1 pF makes the detector more sensitive, which raises the noise level as well.)





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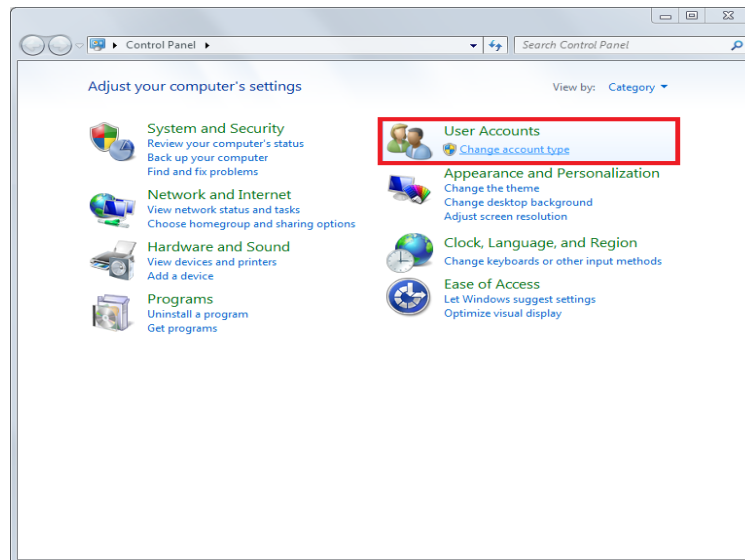
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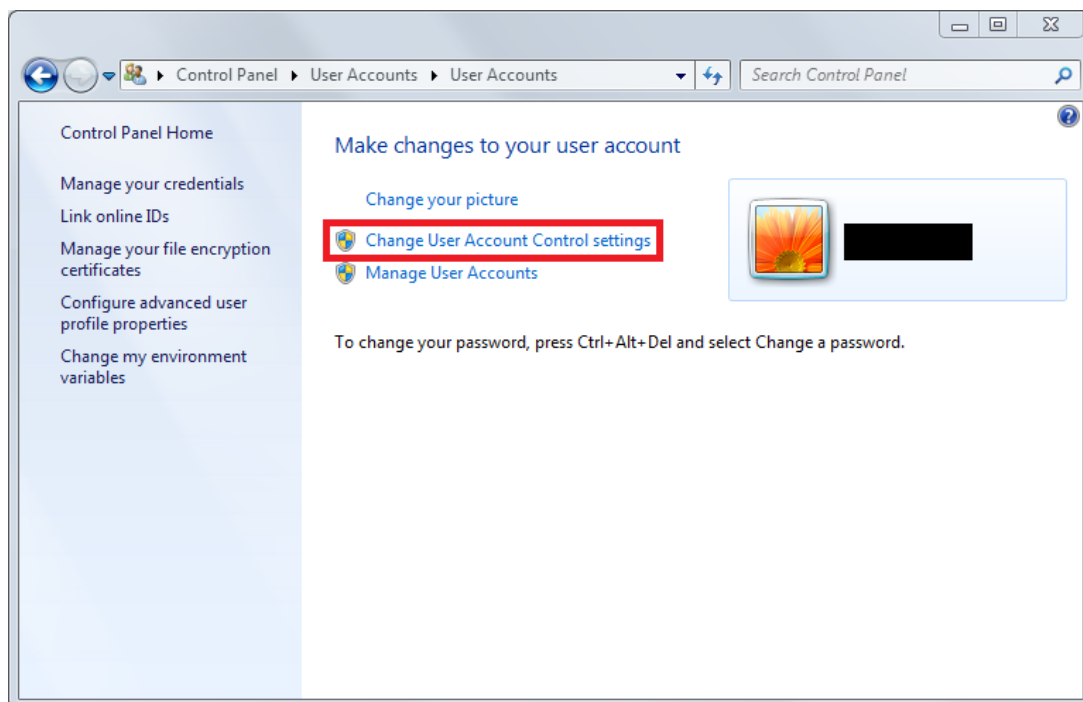
## Window VISTA/7 User Additions (UAC disabled)

(!) Not for all instances. If you are having issues with your file/folder creation, then follow these instructions:

1. First open [Control Panel] and select [User accounts and family protection].



2. On the User Account and Family Safety page, select “User Accounts”. Then select “Change User Account Control settings”.

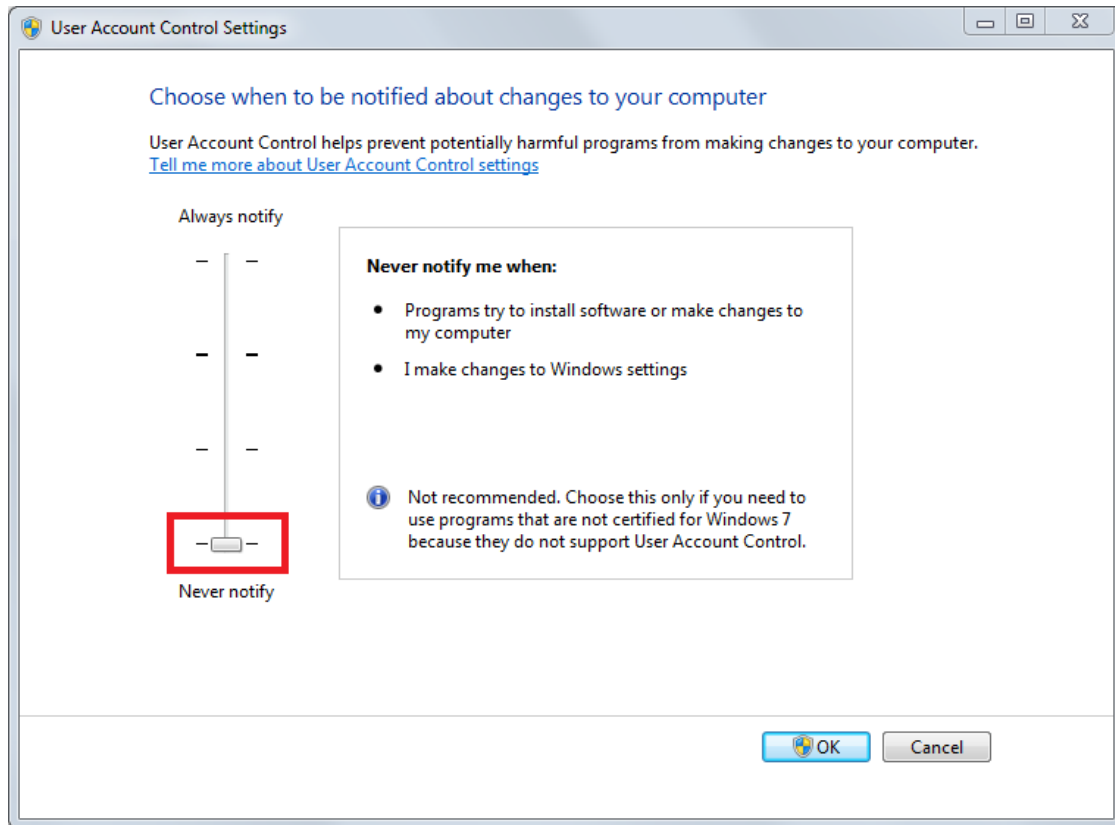


3. Under User Account Control Settings, select Not Notified, and then click OK.



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(!) Reboot your computer to finalize.