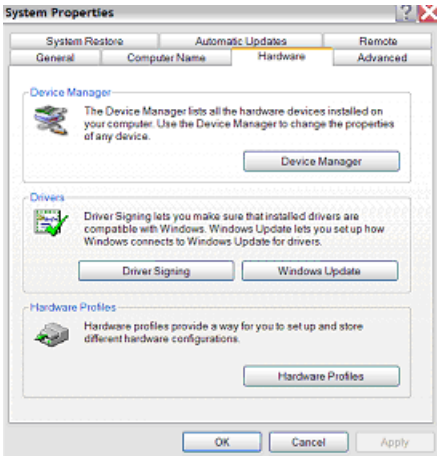
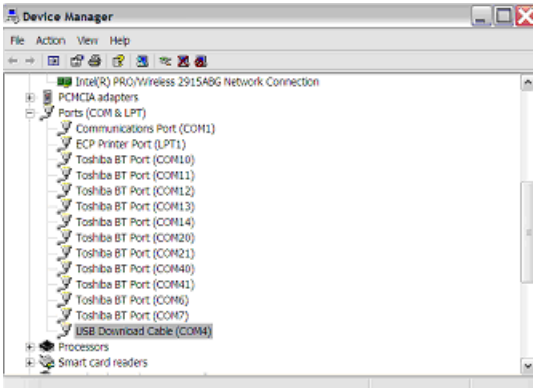
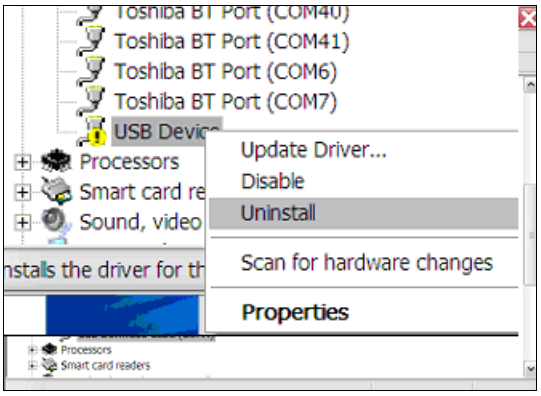
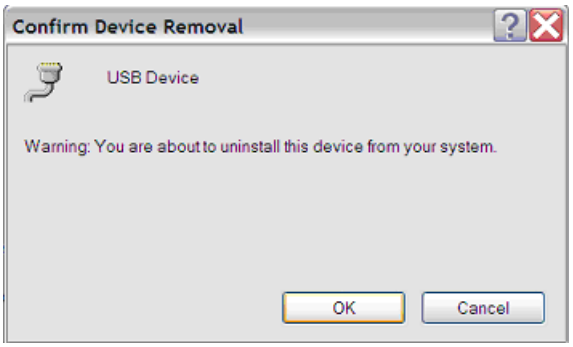
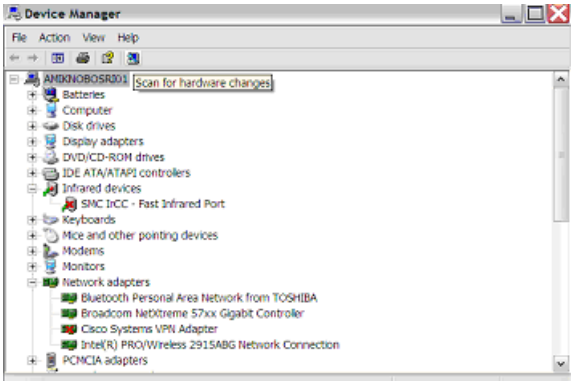
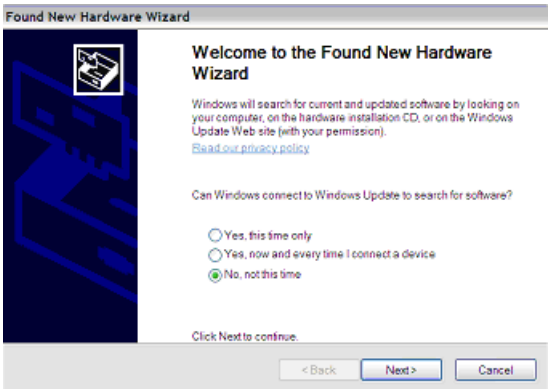
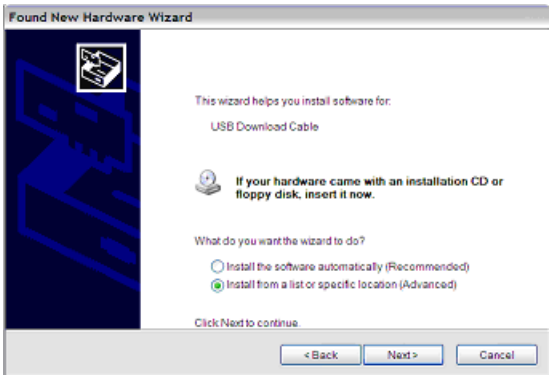
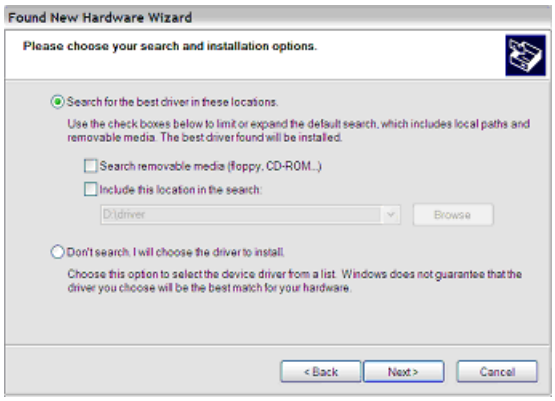
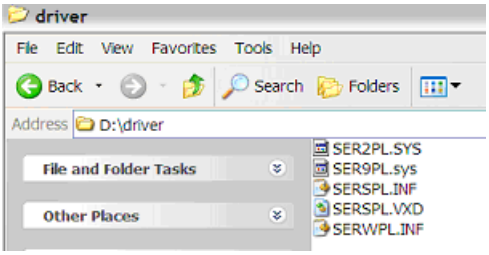
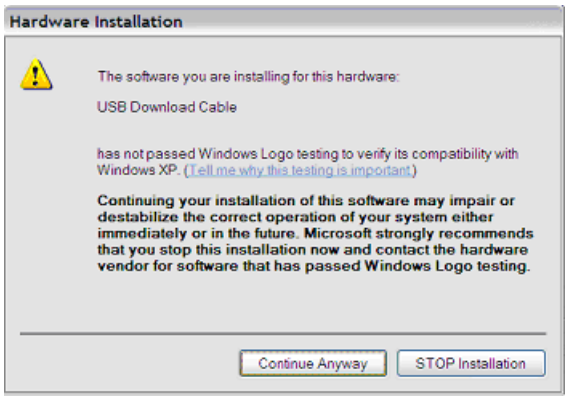
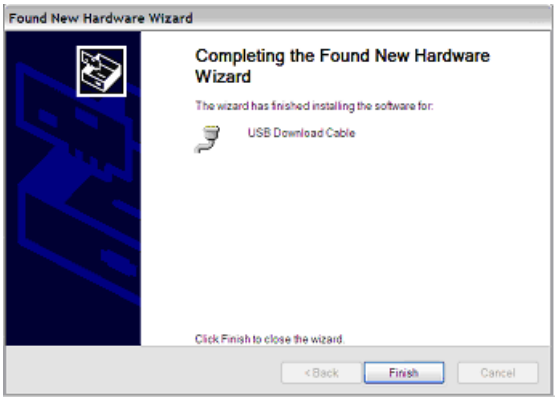
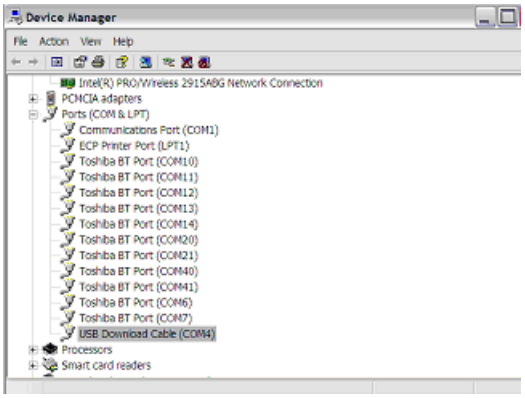
- when it has to be right

Leica Geosystems

Step	Action	Screenshot
1	Plug the USB download Cable into a switched on PC, watch the PC screen to see if any messages are displayed: If there are a number of messages briefly displayed in the bottom corner of the screen (declaring that a new device has been found) then the **Found New Hardware Wizard** (shown right) is displayed, then skip to Step 6. If no message or any other message is displayed, continue to Step 2.	
2	On the PC navigate to the device manager: To open Device Manager, Click the Windows **Start** button, then select **Control Panel**. Now double-click on **System** *(if system is not an option in the control panel select "Switch to Classic View" on the left hand menu – now select System).* A new window, **System Properties**, will open (shown right), select the **Hardware** tab, and then click **Device Manager**.	
3	Device manager shows a list of all devices connected to and installed on the PC, the plugged in USB cable will be in the list – its location and name dictate what action needs to be taken next: If there is a **USB Download Cable** (with allocated Com Port) listed in the **Ports (COM & LPT)** section (shown right) then skip to Step 12 If there is no **USB Download** Cable listed in the **Ports (COM & LPT)** section then continue to Step 4	

4	Still within Device Manager search for a USB device with a Yellow warning explanation mark (!) – this could have any "USB" name and be in any of the **Ports (COM & LPT)**, the **Universal Serial Bus Controllers** or an **Unknown Devices** sections. The common names for this device are *USB Device* or *USB-Serial Controller*. Once this device has been located right mouse button click on it and from the resulting mini-menu select **Uninstall**. The PC will begin to uninstall the device, Confirmation of removal will be required *(click OK when the screen shown right is displayed)*. The Device Manager list will now be displayed again – but this time without the incorrect device in the list.	 
5	With the USB cable still plugged in – but the device uninstalled – go to the tool bar at the top of device manager and press the icon which is a computer screen with magnifying glass on (🔍) to *"Scan for Hardware Changes"*. After selecting to scan a number of messages will briefly be displayed in the bottom corner of the screen (declaring that a new device has been found) then the **Found New Hardware Wizard** will be displayed.	
6	In the **Found New Hardware Wizard** screen (shown right) select "**No, not this time**" to prevent connection to Windows Update, and then press **Next**.	

7	On the next screen there is a prompt to insert an installation CD and let the software install automatically, decline this by not inserting the download cable driver CD Rom and also by selecting "**Install from a list of specific location**", and then press **Next**.	
8	On the next displayed screen select to "**search for the best driver in these locations**" then either: Insert the USB Download Cable CD Rom for GEV189 and GEV195, select the "**Search removable media**" tick box only, and then press **Next**. Or: Select the "**Include this location in the search**" tick box only, select **Browse**, navigate to the folder that contains the driver files (shown in lower picture – right), select the folder *(to return to the Found New Hardware Wizard)*, and then press **Next**. *Note: In the picture the files are on the D: drive simply as an example – if there is no CD available then these files will have been emailed and can be saved in any location – which is then chosen in the above step.*	 
9	After pressing **Next** in Step 8 the USB Cable will start to install, shortly after the installation has begun a **Hardware Installation** dialog box will pop-up. This informs the user that the driver has not passed Windows Logo testing; this is not a problem for this device so select **Continue Anyway**.	

10	Once finished the **Found New Hardware Wizard** will inform the user that the new device is installed, all that is required is to press **Finish**.	
11	To check that the cable is correctly installed return to the Device Manager list and check there is a **USB Download Cable** (with allocated Com Port) listed in the **Ports (COM & LPT)** section (shown right). If there is then the installation is complete, so continue to step 12 If there is not, then there has been a problem so either return to step 4 or contact Leica Technical Support on (01908) 246229.	
12	The USB download Cable is now fully installed and ready to be used. *Note: The Com number displayed after the device name (in brackets) in the Device manager is the communication port of the download cable and will be used in further applications such as data exchange manager*	For information on using this download cable for data transfer between instrument and computer please refer to the: "**Data Exchange Manager Guide**".