Installation Manual

Installation of software and drivers

USB 2.0 HUB 6

Softline

Modline

Conline

Boardline

Avidline

Pixline

Application

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1. General

The USB hub has six downstream ports, which can be switched on and off individually via USB. When switching off, the supply voltage (+5 V) and the data lines are separated via semiconductor switches.

Control is carried out via the USB hub Monitor (PC software). With the use of third-party software, the USB hub monitor can be remotecontrolled. For the interface the COM / DCOM or a .Net assembly is used. This allows for the USB hub monitor to be integrated into a variety of applications (Microsoft Visual Studio (C #, C + +, Visual Basic), Microsoft Office (e.g. Excel, OpenOffice, LabView , MCD TestManager CE). Furthermore, it is possible to use the USB hub with Linux.

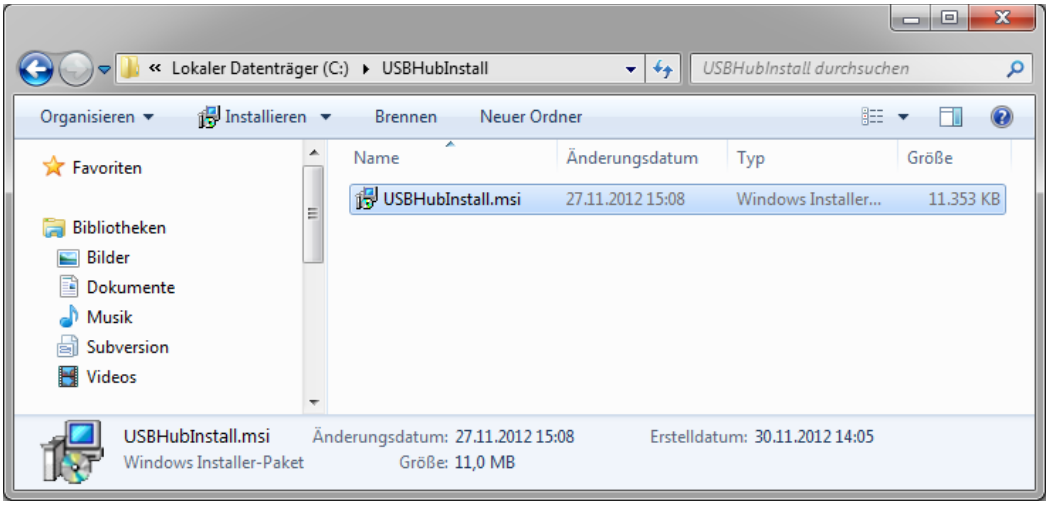
2. System requiremts

- Operation system: Windows2000®, Windows XP®, Windows7®
- Architecture: 32bit or 64bit
- .Net Framework: starting at Version 3.5

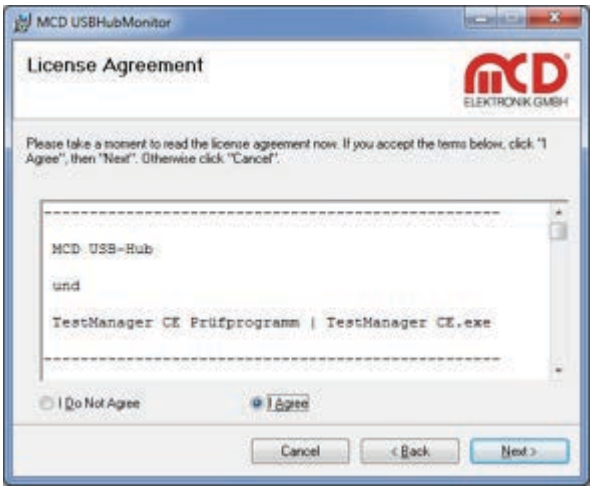
3. Software and Driver installation

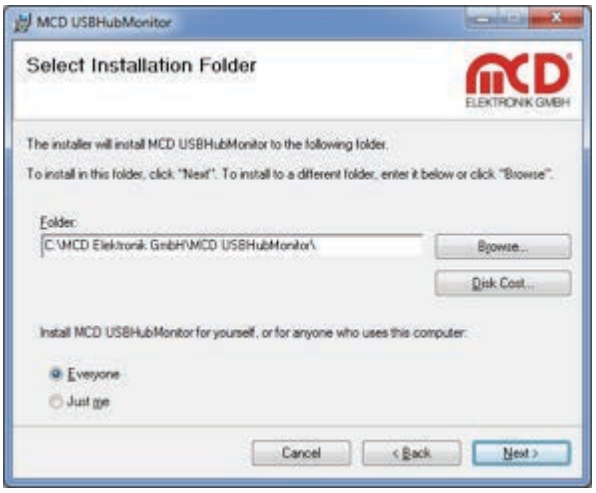
To install the software for the MCD USB hub, the installer USBHubInstall.msi must be called up.

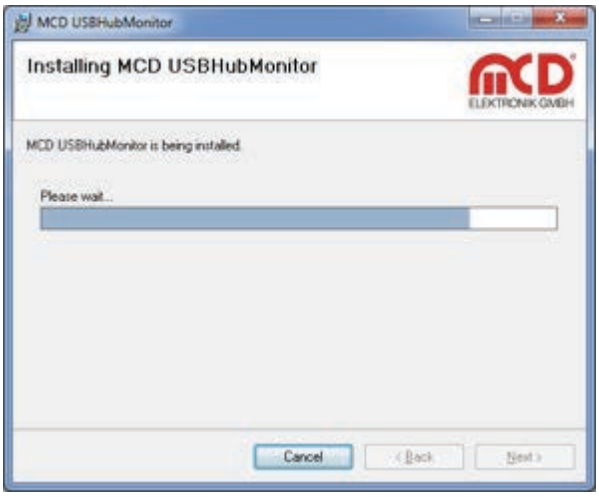
Open Windows ® Explorer and run the installer USBHubInstall.msi.

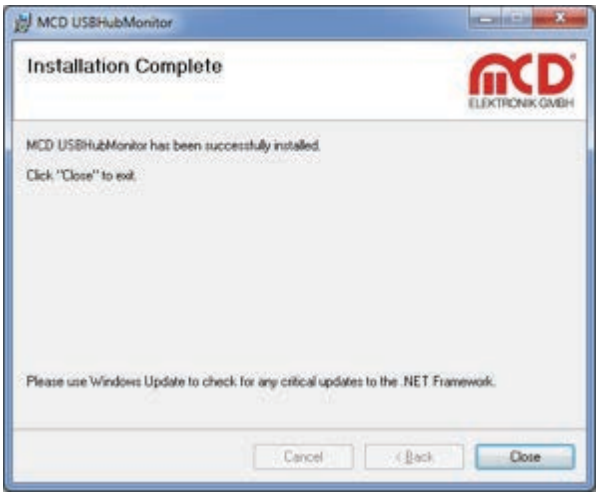


You will then be guided through the installation of the software. Confirm the individual dialogues and adjust, if necessary the installation path.









After finishing the installation, close the installer and proceed with the installation of the driver.

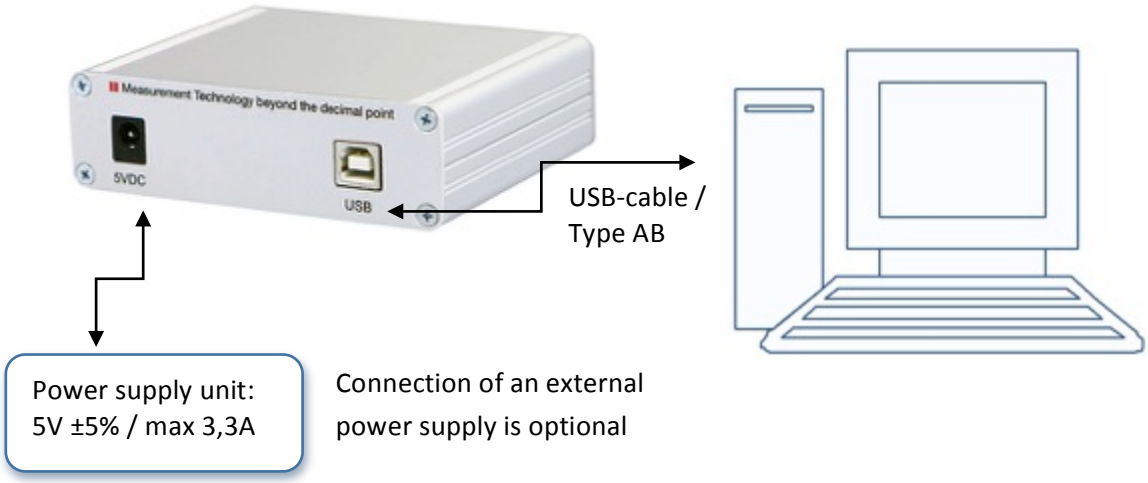
4. Connecting hardware

Now connect the USB hub to a free USB port. The hub can operate solely on the USB host (bus powered), or in addition with a 5VDC power supply with at least 17W output power or output current of 3.3 A (self-powered). Connecting or disconnecting the external power supply resets the hub and the ports switch to their default state.

The connector for the external power supply is a DC connector for either 2.1 mm or 2.5 mm barrel connector. The polarity is optional (but no AC voltage!). An assembly variant of the board allows the somewhat "more robust" connection of the 5V power supply via screw terminal e.g. in the adapter or a needle bed.

Frontal view of USB-Hubs:

Connection of USB-Hubs to the PC:



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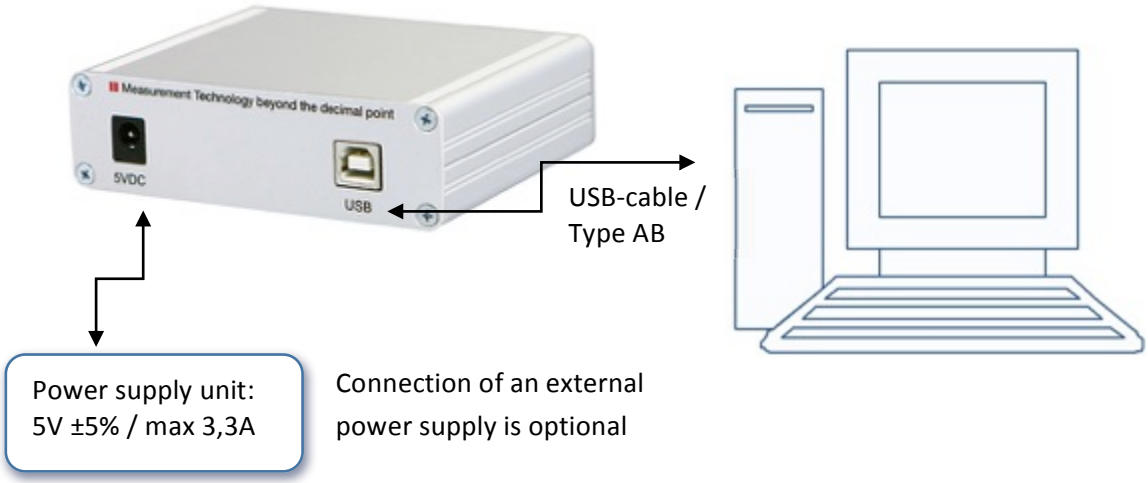

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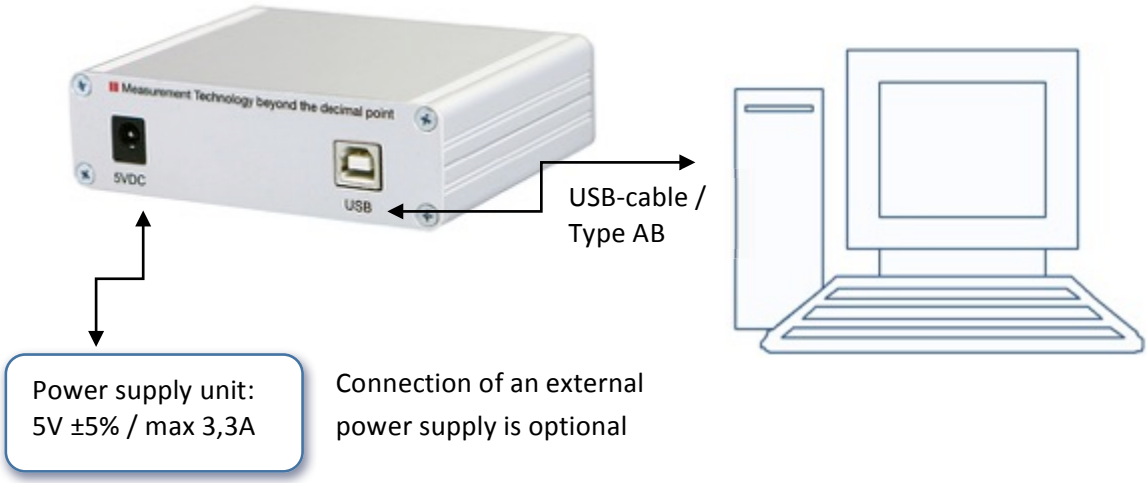
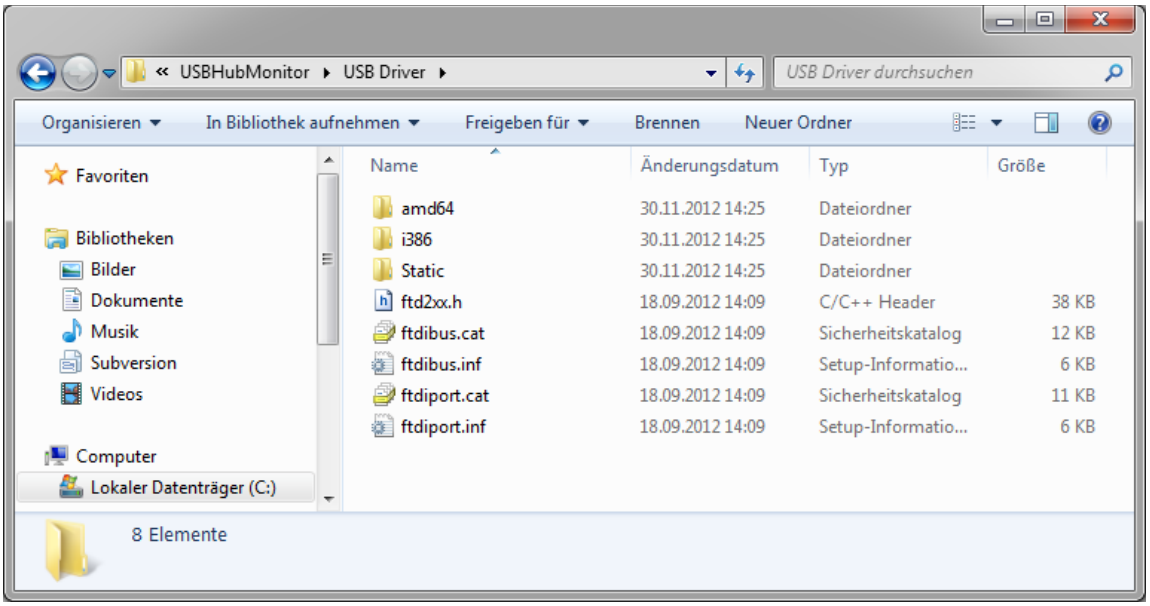


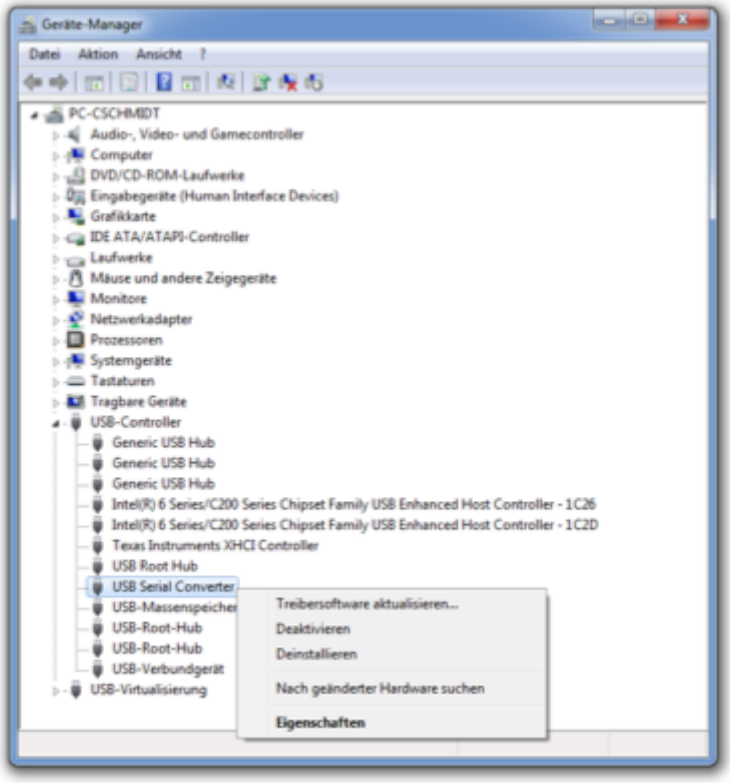
5. Install / update driver

The driver to be installed is located in the application folder:

<installation path>\USBHubMonitor\USB Driver

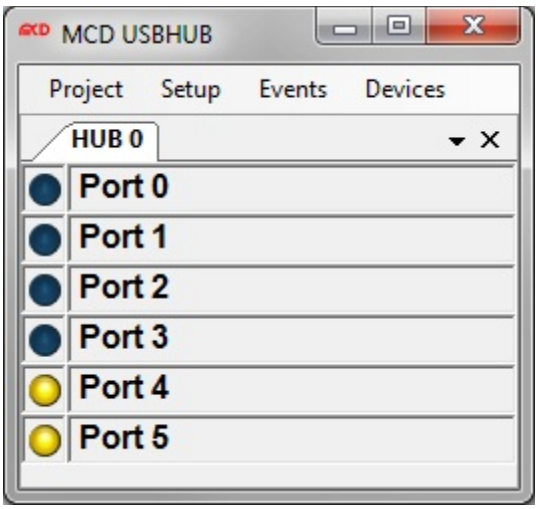


To install the latest driver, you can use the Windows® Device Manager to update the driver for the USBHub. To do this, please select the **USB Serial Converter** and choose the driver from the folder shown above.



6. Launching the installed software

The ports one to four are turned off after a reset, while the ports five and six are switched on (for keyboard, mouse, etc.). To enable the ports, launch the previously installed software from the Windows® start menu. Through the software, you can then access the USB hub:



For more help, see the software documentation under Help -> Help F1 or in the following supplied documents:

- GettingStarted_USBHub_Vx.x.pdf
- TechnicalData_USBHub_Vx.x.pdf

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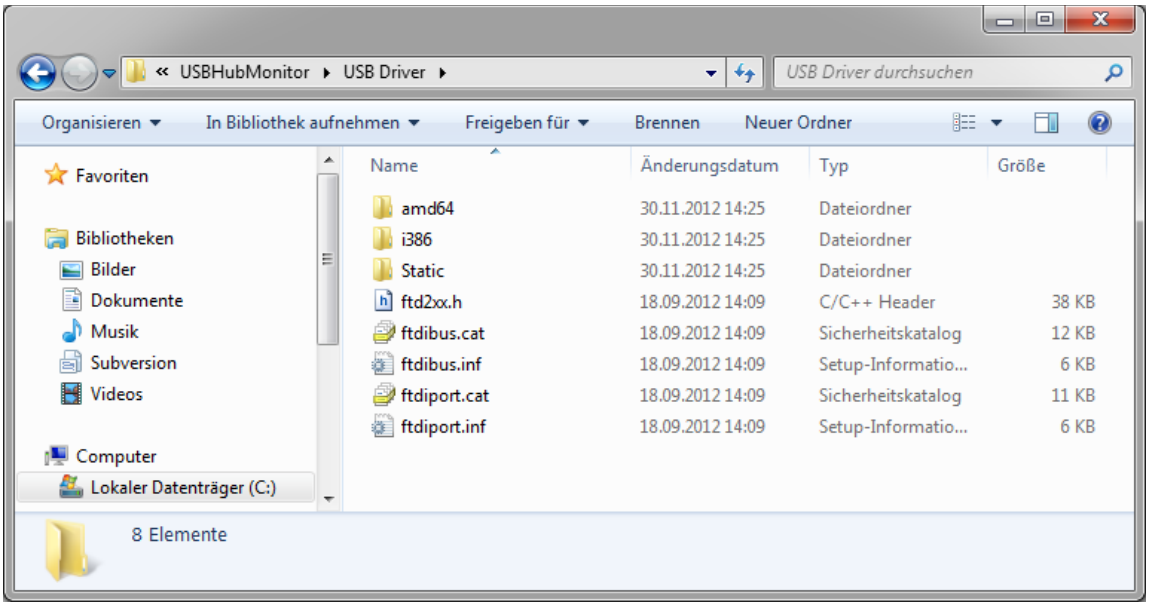

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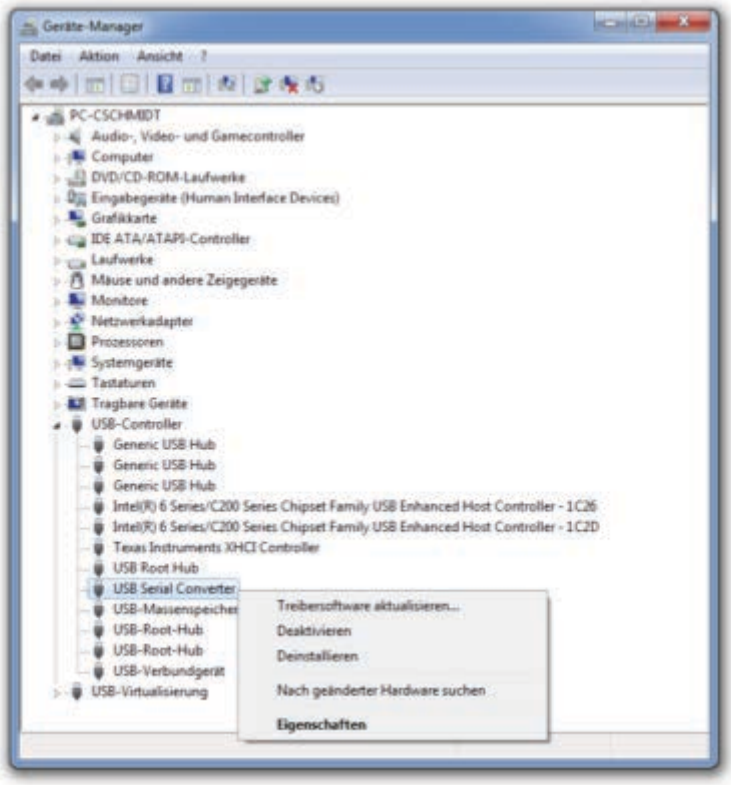

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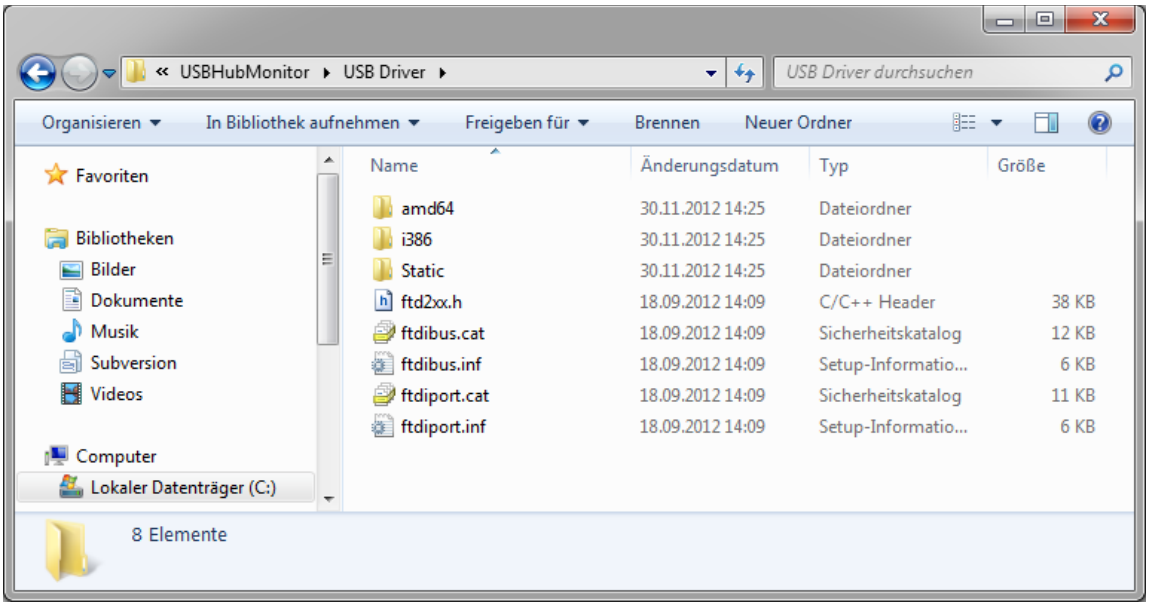
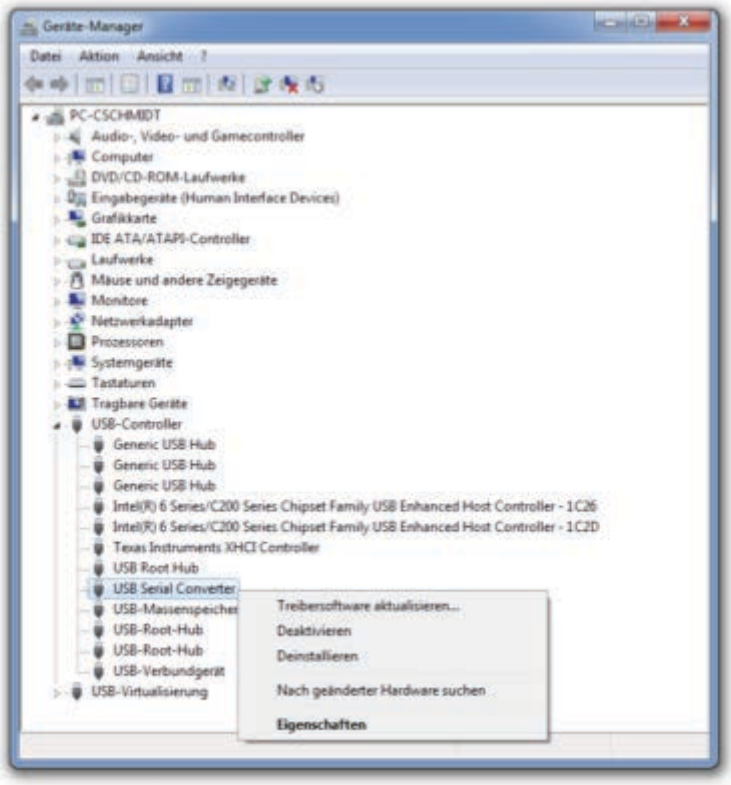
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