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1 CB-Manager Software

The CB-Manager is a configuration and commissioning software for various devices of the Camille Bauer portfolio. The user can select during installation which product series needs to be supported.

Product series	Products	Remarks
CAM	SINEAX CAM	For the USB communication a NI-VISA driver of National Instruments is required. This driver needs to be installed before a device is connected to a PC via USB interface.
APLUS	APLUS	
DM5x	SINEAX DM5S	For the USB communication a standard HID Windows driver is used. Therefore there is no need to perform a driver pre-installation.
Vx604s	SINEAX V604s, VB604s, VC604s, VQ604s	
VR660, A200R	SINEAX VR660, A200R	
VS30	SINEAX VS30	
HW730	KINAX HW730	

1.1 Files in the folder Software CB-Manager

 CB-Manager.exe	Installation software with language selection, without USB driver SINEAX CAM
 CB-Manager.msi	Installation software in German only
 Lies-Mich-Zuerst.pdf	Installation instructions German
 Read-me-first.pdf	Installation instructions English
 Setup.exe	Installation including USB driver SINEAX CAM, German
 visa441runtime.exe	USB driver installation SINEAX CAM

1.2 CB-Manager installation / update



In the directory CB-Manager on the CD start the program "**CB-Manager.exe**" and select the desired language of the installation

In the welcome image select „Next“.

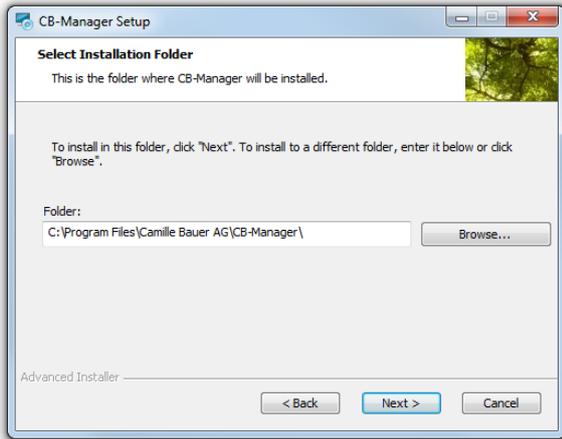
If there is a previous version installed, it will be uninstalled before installing the new version.

Alternative Installation for the SINEAX CAM

By means of the file "**setup.exe**", after the CB-Manager installation the required USB driver installation for the SINEAX CAM is started. The language of this installation software is German only.

Using Windows Vista / 7 / 8 the file "setup.exe" is maybe not recognized as valid installation software. In such a case perform the installation in two steps:

1. CB-Manager installation via "CB-Manager.msi"
2. USB driver installation via "visa441runtime.exe"



Select the installation path for the software. The default corresponds to the standard installation of Windows.

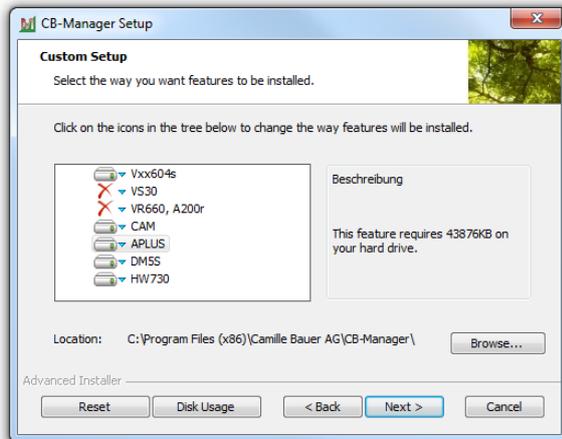
The default program folder for the installation in a 64-bit operating system is

Program Files (x86)

It is not possible to install the CB-Manager in the standard program folder

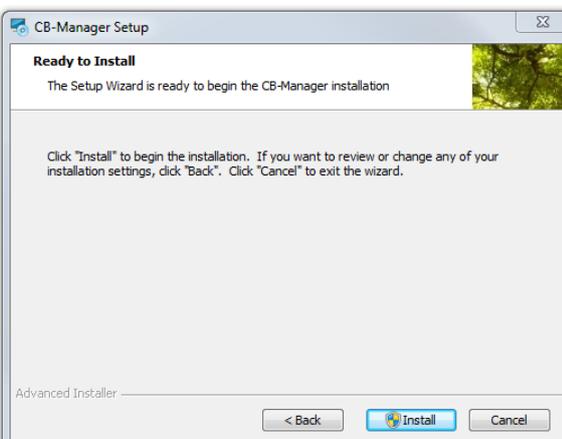
Program Files

The CB-Manager runs on a 64-bit system, but is itself no a 64-bit application.

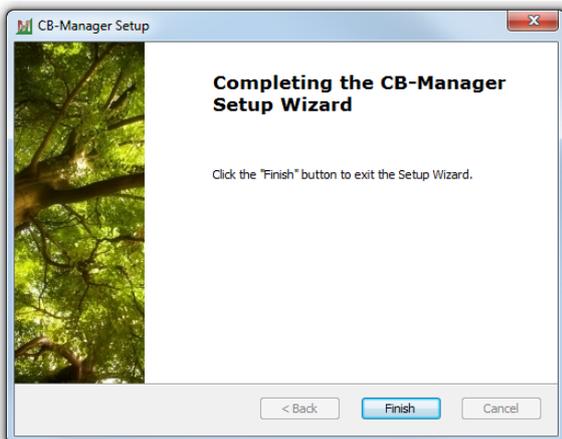
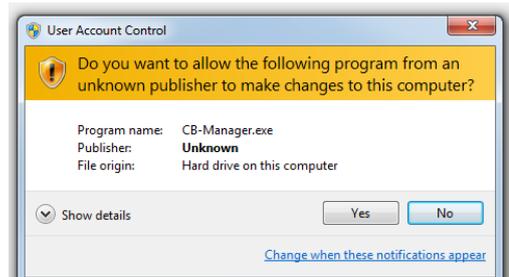


Select the components to install resp. the product series which needs to be supported.

The selection may be changed later by launching the installation software once more.



The installation is then started by selecting „Install“. In Windows Vista / 7 / 8 systems the following warning may appear, which needs to be acknowledged.



As soon as all the files has been copied and the CB-Manager is completely installed the installation software can be closed using „Finish“.

1.3 Installation of the USB driver for the SINEAX CAM

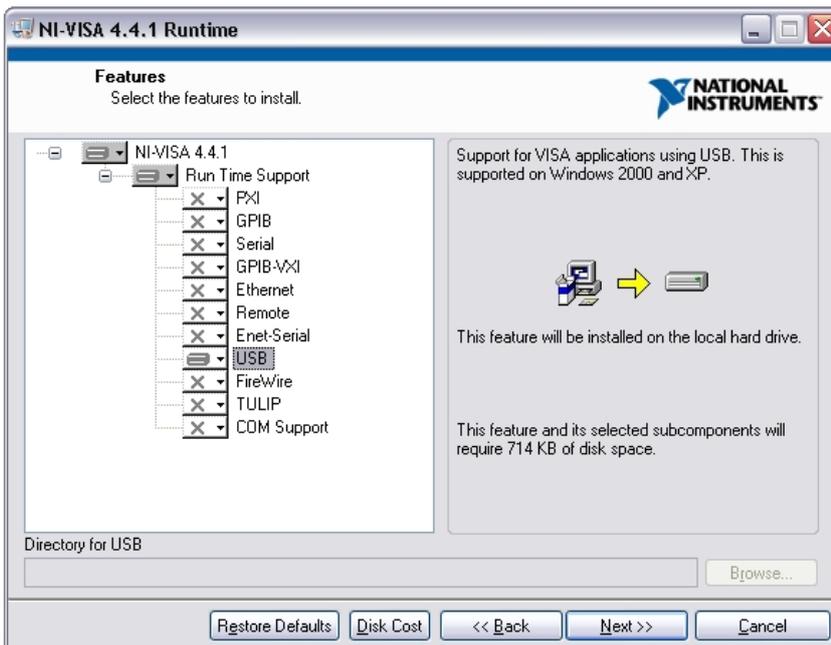
The installation of the USB driver starts automatically if the installation software "setup.exe" has been used. Otherwise, use the program "visa441runtime.exe" to start the installation.



The program for the driver software is stored in condensed form on the CD and needs to be extracted first.

If the software WinZip is installed on your PC select "Run WinZip" and then start the program 'setup.exe'.

If WinZip isn't installed select "Unzip". The installation software is started at the end of the decompressing process.



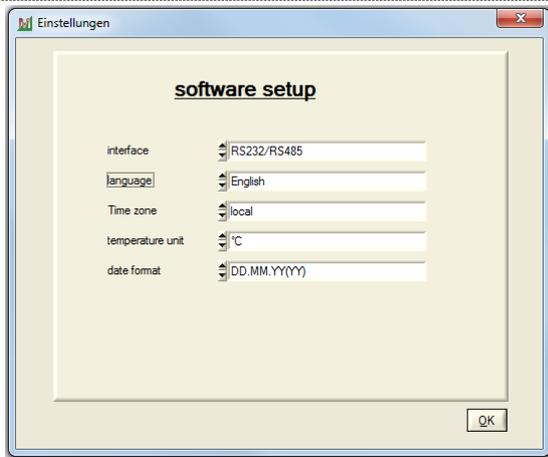
For the CB-Manager software only the USB support is required. All other drivers may be deselected.

Click on 'Next' to install the USB support.

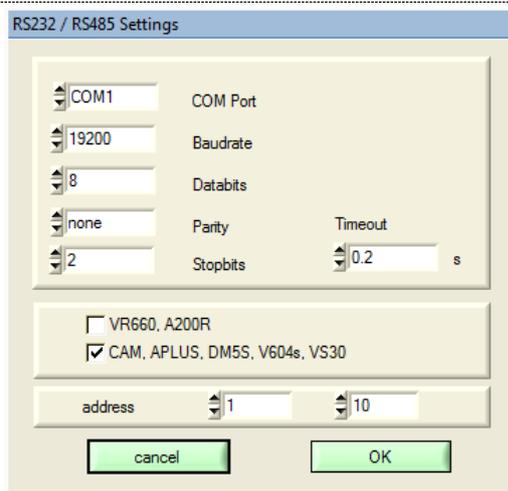
At the end of the installation process you may be prompted to reboot your computer.

1.4 First run of the CB-Manager software

When first starting the CB-Manager software, the pre-settings of the subsequent shown program options can be made. This is possible only after the first installation of the software. If a more present version is installed, pre-settings are taken from the previous version.



Here pre-settings of the communication interface, dialog language, time zone, temperature unit (V604s, A200R, VR660) and the date format can be made.



Depending on the selected communication interface, settings for the RS232/485 interface or the Ethernet interface may be displayed. These settings may be changed if necessary.

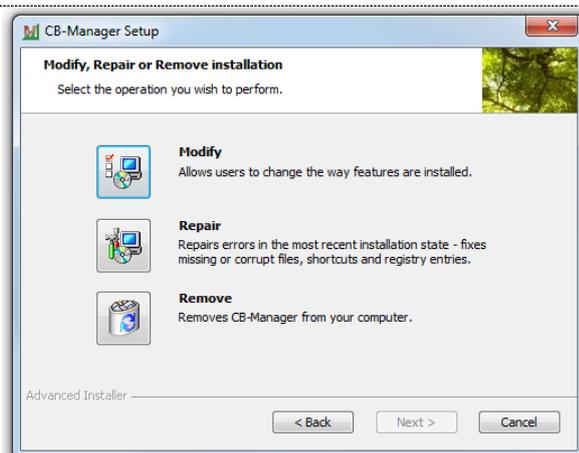
When USB communication was selected no further interface settings window is displayed.

The usage of the CB-Manager software is comprehensively described under Help | Contents. There you may find more detailed information as well, which can also be requested context specific.

1.5 USB communication

[See chapter 3](#)

1.6 Program management



To change the list of the installed product series or to remove the CB-Manager completely, you may execute the installation software again.

Please note, that the software settings remain stored even if the CB-Manager has been uninstalled.

2 Installation of CB-Analyzer software (SINEAX CAM and APLUS only)

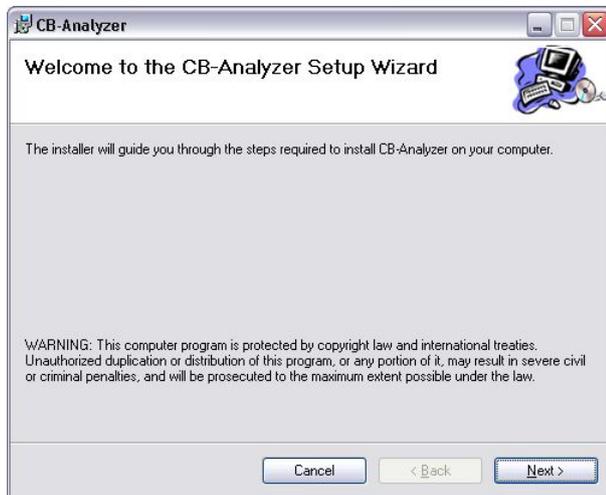
The CB-Analyzer is logger data analysis software for various devices of the Camille Bauer portfolio.

Product series	Products	Remarks
CAM	SINEAX CAM	For the USB communication a NI-VISA driver of National Instruments is required. This driver needs to be installed before a device is connected to a PC via USB interface.
APLUS	APLUS	

The installation of the software comprises two parts. Along with the application software CB-Analyzer the run time environment of Microsoft .NET must be installed in form of the .NET framework.

2.1 Installation of the base software

In the directory CB-Analyzer on the CD execute the file **setup.exe**



If the software is already installed an appropriate message is displayed. In this case follow the instructions given.

If the welcome window is shown click on "Next".



The CB-Analyzer can be installed for all users of a computer ("Everyone") or only for the present user ("Just me"). Select your preferred option and click on "Next".

The default program folder for the installation in a 64-bit operating system is

Program Files (x86)

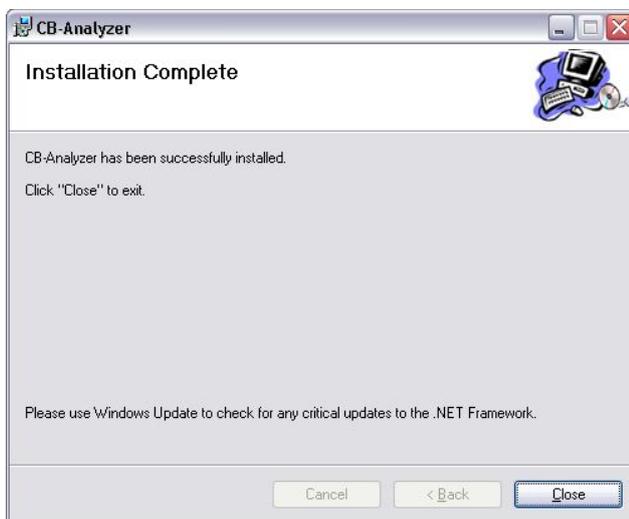
It is not possible to install the CB-Manager in the standard program folder

Program Files

The CB-Manager runs on a 64-bit system, but is itself no a 64-bit application.



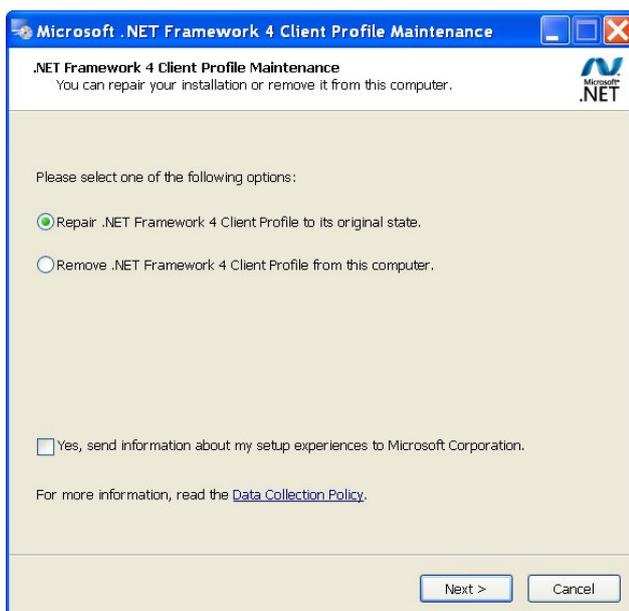
Confirm that you want to start the installation now using "Next" or go back to check or modify your selections using "Back".



The installation takes normally a few minutes. The successful completion will be confirmed.

Select "Close" to complete the installation.

2.2 Installation of Microsoft .NET framework 4



Windows Vista / 7 / 8

The .NET framework is part of the operating system. An installation is required only if there is an older .NET version installed.

Windows 2000 / XP

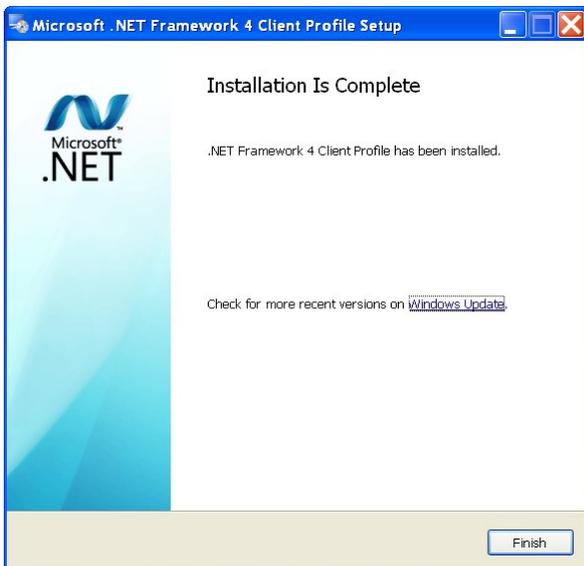
Proceed to the sub-folder *Microsoft .NET Framework 4* and execute the file "**dotNetFx40_Client_x86_x64.exe**".

If .NET framework is already installed on your computer the maintenance window is displayed. If at least .NET version 4 is installed you can cancel the installation process using "Cancel".



Read the license agreement of Microsoft and confirm that you agree to the terms.

Click on "Install". The installation of .NET framework starts...

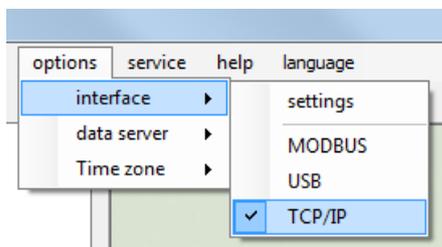


The installation takes normally a few minutes. The successful completion will be confirmed.

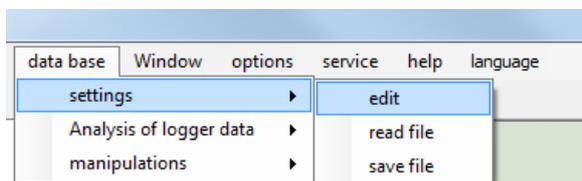
Select "Finish" to complete the installation.

2.3 First run of the CB-Analyzer software

Following the first start-up of the software the communication interface and the data base must be set, before data can be requested from connected devices.

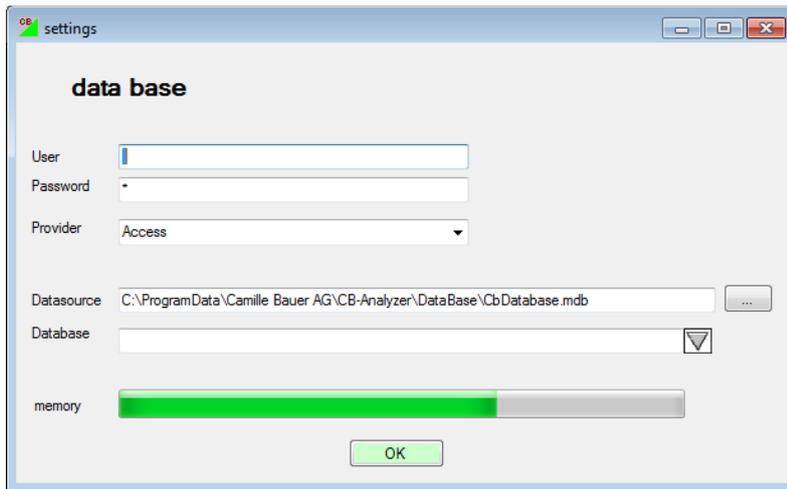


Select the **communication interface** to which the devices are connected. The Modbus or TCP/IP interfaces may require an additional modification of the settings.

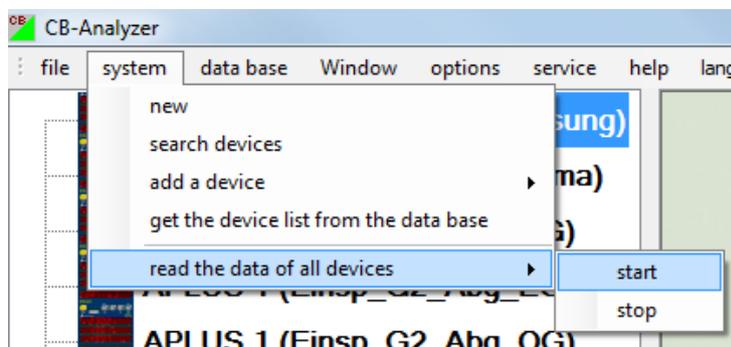


In the data base menu select settings | edit.

The settings window for the data base will be displayed...



Select to use an ACCESS data base. Then you have to select the data source with its complete path. To do so, select the data base file in the sub-directory *DataBase* of the installation directory of the CB-Analyzer software.



Now you are able to search for connected devices via the menu system.

Then you can start the acquisition of data by clicking on "start".

Further information on how to use the software, especially how to create analysis reports, may be found in the instruction manual "data logger analysis" in the CB-Analyzer folder on the CD or in the help file of the CB-Analyzer software.

3 USB communication

	<p>The USB support is limited to the operating systems Windows 2000, XP, Vista, 7 and 8.</p>
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3.1 Device driver

The devices SINEAX CAM and SINEAX DM5S provide a USB interface. To be able to communicate with the devices via the USB interface of a PC with Windows operating system a driver is required:

Device	USB driver
SINEAX CAM	For the USB communication a NI-VISA driver of National Instruments is required. This driver needs to be installed before a device is connected to a PC via USB interface.
SINEAX DM5S	For the USB communication a standard HID Windows driver is used. Therefore there is no need to perform a driver pre-installation.

3.2 Device registration

Each USB device which needs to be used in the Windows operating system is registered, as soon as the device is connected to the computer for the first time. Because each device has a unique identification, an individual registration is required even for devices of the same type. Therefore, when connecting a device for the first time an individual instance of the already installed USB driver of the device is built, which can be seen in the device manager.

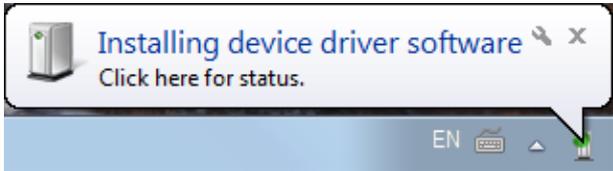
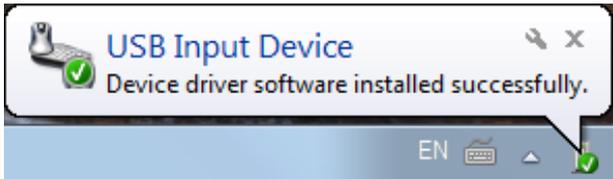
SINEAX DM5S: Windows 2000 / XP

When connecting the device via USB cable the following windows are displayed.

Windows status message	Procedure
	<p>The associated device type has been recognized...</p>
	<p>The associated USB device type has been recognized...</p>
	<p>The driver has been associated without user input and the device installation has been completed...</p>

SINEAX DM5S: Windows 7 / 8

When connecting the device via USB cable the following windows are displayed.

Windows status message	Procedure
	<p>The new device has been recognized...</p>
	<p>The driver is automatically installed without user intervention and the device installation completed...</p>

SINEAX CAM: Windows 2000 / XP

When connecting the device via USB cable the following windows are displayed.



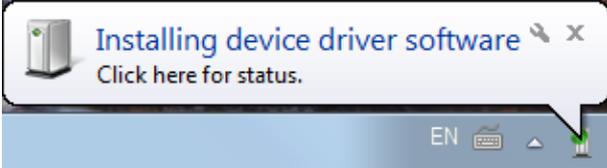
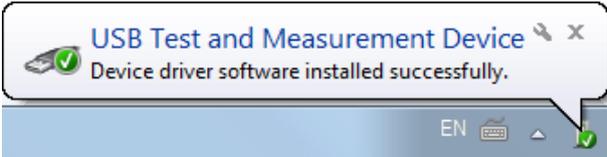
NEVER CANCEL THE PROCEDURE !

The subsequent shown procedure must be completed for each individual SINEAX CAM. If you cancel the installation the USB driver is not installed correctly and the communication with the device will not work.

Windows status message	Procedure
	<p>The associated device type has been recognized...</p>
	<p>The associated USB device type has been recognized...</p>
	<p>Select "No, not this time" and then "Next". The driver will be installed.</p> <p><i>If the hardware wizard is not able to find the necessary driver, it probably hasn't been installed correctly. Repeat the installation of the USB driver by executing the program "visa441runtime.exe" on the CD.</i></p>

SINEAX CAM: Windows 7 / 8

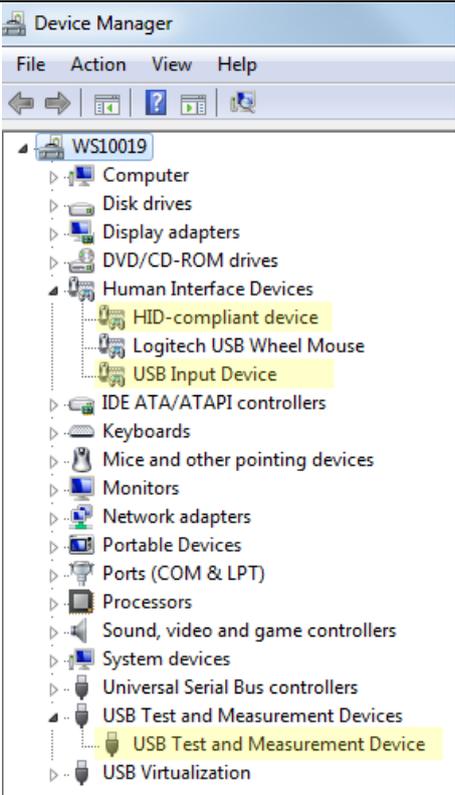
When connecting the device via USB cable the following windows are displayed.

Windows status message	Procedure
	<p>The new device has been recognized...</p>
	<p>The driver is automatically installed without user intervention and the device installation completed...</p>

3.3 Remedy for USB communication problems



Each USB device which is connected to the computer has an entry in the device manager. If a device hasn't been recognized correctly, its entry is shown with a yellow warning triangle.

 <p>The screenshot shows the Device Manager window with the tree view expanded to 'USB Test and Measurement Devices'. Two entries are visible: 'HID-compliant device' and 'USB Input Device', both highlighted in yellow. The 'SINEAX CAM' entry is not visible in this view.</p>	<p><u>Correct installation</u></p> <p>The DM5S is shown as an input device (HID) and has two entries per device.</p> <p>The CAM is registered as a USB Test and Measurement Device</p>
 <p>The screenshot shows the Device Manager window with the tree view expanded to 'Other devices'. A single entry 'SINEAX CAM' is visible with a yellow warning triangle icon next to it.</p>	<p><u>Incorrect installation</u></p> <p>For the CAM no driver has been found. This is possible only, if either the installation has been interrupted by the user or if the driver hasn't been installed before connecting the device.</p>

The USB driver has been correctly installed, but no USB communication is possible

There may be a problem with user rights. Due, maybe the file storage of the communication settings on the hard disk is locked. In this case the sub-folder **Settings** is not created after the first run of the software. For a standard installation the path of this folder is as follows:

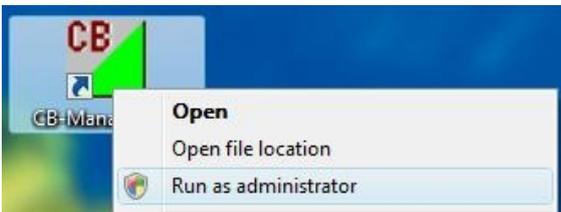
CB-Analyzer: C:\ProgramData\Camille Bauer AG\CB-Analyzer\Settings

CB-Manager: C:\ProgramData\Camille Bauer AG\CB-Manager\Settings

- Check if this folder has been created.

In Windows 7 and Windows Vista systems the communication via USB interface as well as the file storage via software are handled quite restrictive due to possible security problems. There are two ways to solve the problem:

- **Change the settings of the user account control**, see [Annex A](#)
- **Run the program as administrator** (right mouse click on the symbol)



Hint: It is not possible to run the CB-Analyzer software directly with administrator rights.

3.4 Removing USB devices from the control panel

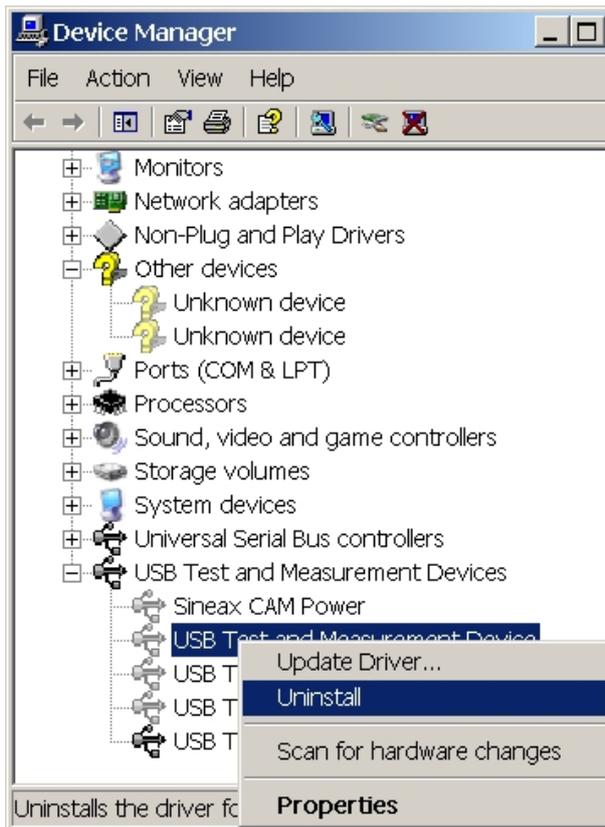
Each USB device once connected to the PC is registered in the operating system. There are various reasons for removing such entries:

- The corresponding device has been configured and built-in in the plant.
- USB communication with the device doesn't work. You wish to reinstall the driver.
- The number of entries is large and confusing



Normally the device manager shows only devices actually connected to the PC. To see all registered devices you have to check the option 'Show hidden devices' in the device manager.

If the USB symbol is grayed the appropriate device is currently not connected to the PC, otherwise a connection is established.



Here the installed instances of the USB driver for the SINEAX CAM are shown. If the USB symbol is grayed the appropriate device is currently not connected to the PC, otherwise a connection is established.

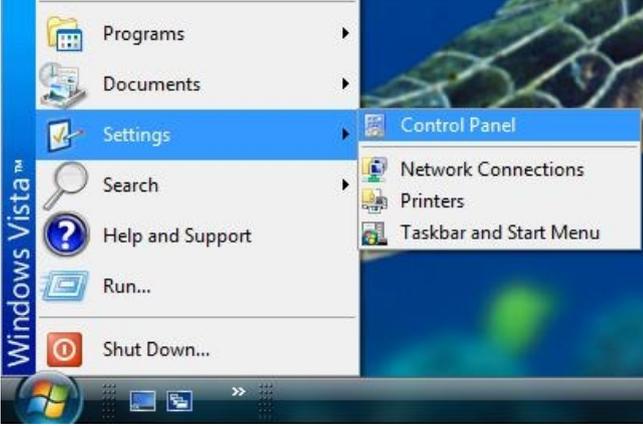
To **remove a CAM from the device manager** click on the entry using the right mouse key and select Uninstall.

To settle problems with devices and a non-working USB communication try one of the following two ways:

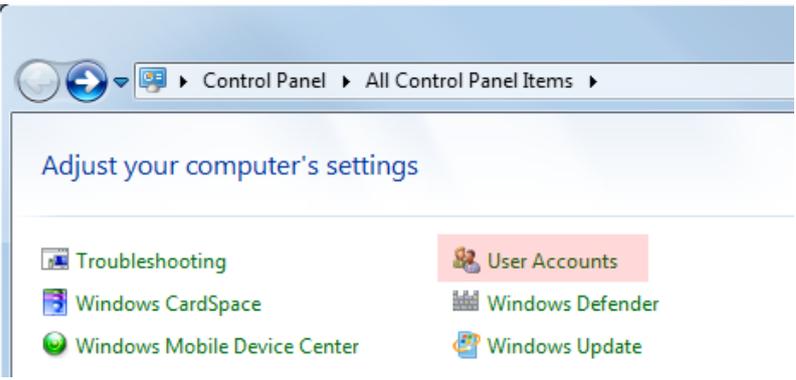
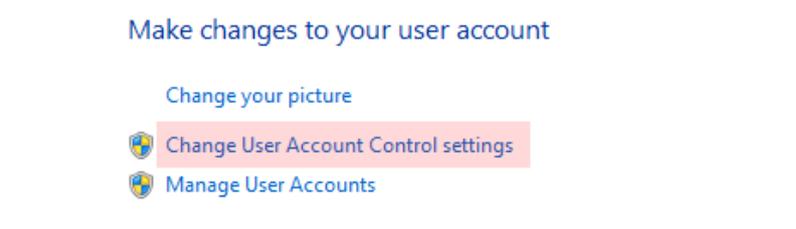
- Update the driver
- Uninstall the device and bind the driver again when the device is connected again

Annex A: Changing the User Account Control

Windows Vista: The user account control may be switched off. To do so, administrator rights are required.

1.	
2.	
3.	
4.	<p>Make changes to your user account</p> <p>Change your picture</p> <p> Turn User Account Control on or off</p> <p> Manage User Accounts</p> <p>To change your password, press Ctrl+Alt+Del and select Change a Password</p> 
5.	<p>Turn on User Account Control (UAC) to make your computer more secure</p> <p>User Account Control (UAC) can help prevent unauthorized changes to your computer. We recommend that you leave UAC turned on to help protect your computer.</p> <p><input type="checkbox"/> Use User Account Control (UAC) to help protect your computer</p> <p>OK Cancel</p>
6.	

Windows 7 / 8: The user account control can be set to a lower security level when checking user inputs and/or software functions. To do so, administrator rights are required.

1.	
2.	
3.	