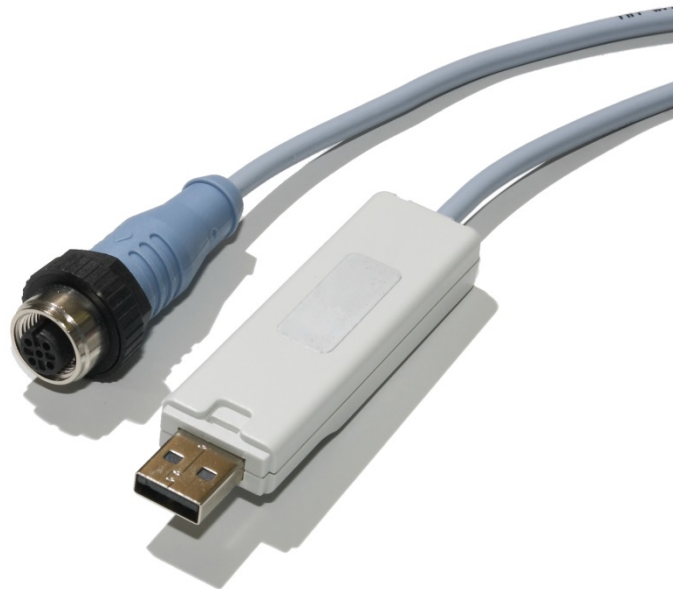


FAFNIR USB Adapter

Installation Guide



The FAFNIR USB Adapter is not allowed to be used inside potentially explosive areas. Installation and use must be done outside the hazardous zone.

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1 Overview

The FAFNIR USB Adapter is a device for connecting FAFNIR probes to a Windows PC/Laptop. There are 3 Adapter versions available for the following probe types:

- VISY-Stick ... FAFNIR USB Adapter (VISY-X), Art. No. 900040
- TORRIX C ... / SC ... FAFNIR USB Adapter (TORRIX), Art. No. 900185
- TORRIX RS485 ... FAFNIR USB Adapter (TORRIX RS485), Art. No. 900187

2 Safety instructions

The purpose of the FAFNIR USB Adapter is to configure FAFNIR probes with a Windows PC/Laptop. The FAFNIR USB Adapter must be used exclusively for this purpose. The manufacturer accepts no liability for any form of damage resulting from improper use.



The FAFNIR USB Adapter is not allowed to be used inside potentially explosive areas. Installation and use must be done outside the hazardous zone.

3 Scope of supply

(1)



FAFNIR USB Adapter, 2 m cable length

(2)



USB Stick with corresponding software

4 Installation

4.1 FAFNIR USB Adapter with serial No. 210 and above

The FAFNIR USB Adapter of our latest generation is designed to be a *Plug & Play device*.

For installation the PC or laptop must have access to the internet. Connect the FAFNIR USB Adapter to your PC or laptop and the required drivers for the Windows operating system will be installed automatically after a few minutes.



For the automatic driver installation, the PC or laptop must have access to the internet.

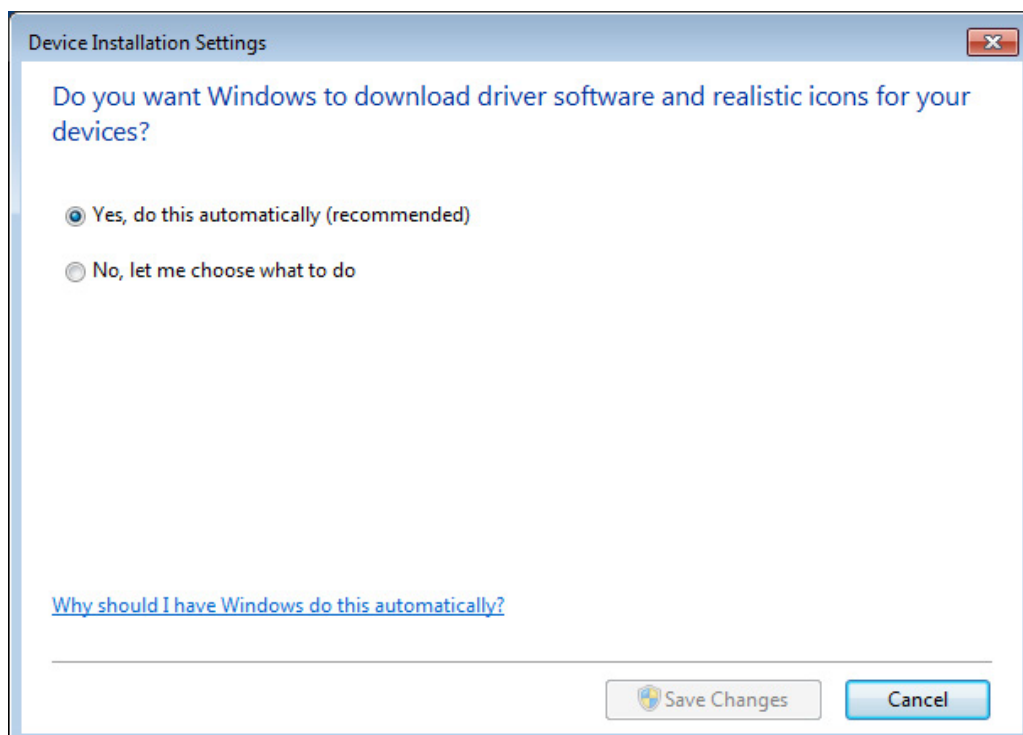
The drivers will be installed automatically with the following Windows versions:

- Windows 7 ... (32 and 64 bit)
- Windows 8... (32 and 64 bit)
- Windows 10 ... (32 and 64 bit)

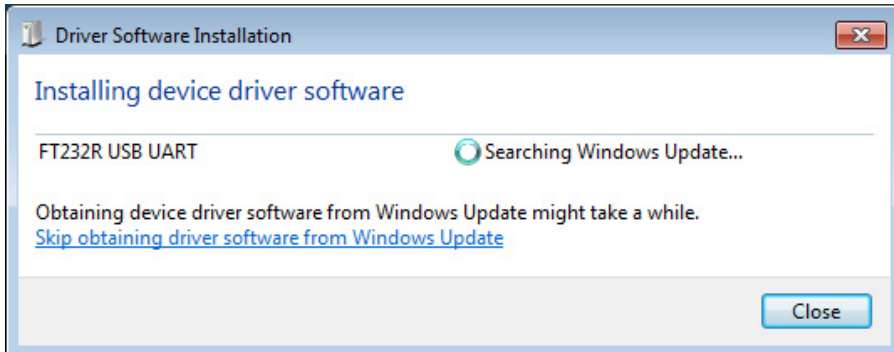
4.1.1 Automatic driver installation

- (1) The automatic device driver installation must be allowed within the Windows settings under the item "Device Installation Settings". Displayed messages during the installation depend on the Windows version.

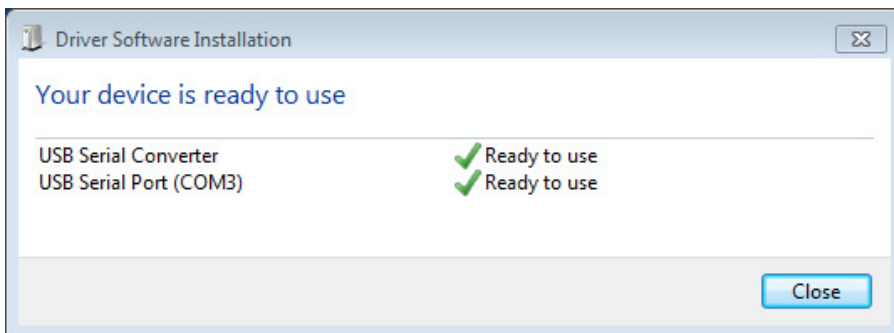
The following figures are samples for the Windows 7 installation:



- (2) After connecting the FAFNIR USB Adapter to your PC/Laptop Windows detects a new device and automatically looks for the required drivers:





- (3) Finally, the installation success will be displayed:



4.2 FAFNIR USB Adapter with serial No. below 210

For FAFNIR USB Adapters with serial No. below 210, the required Windows drivers must be installed manually. Please contact info@fafnir.de and request the drivers for installation.

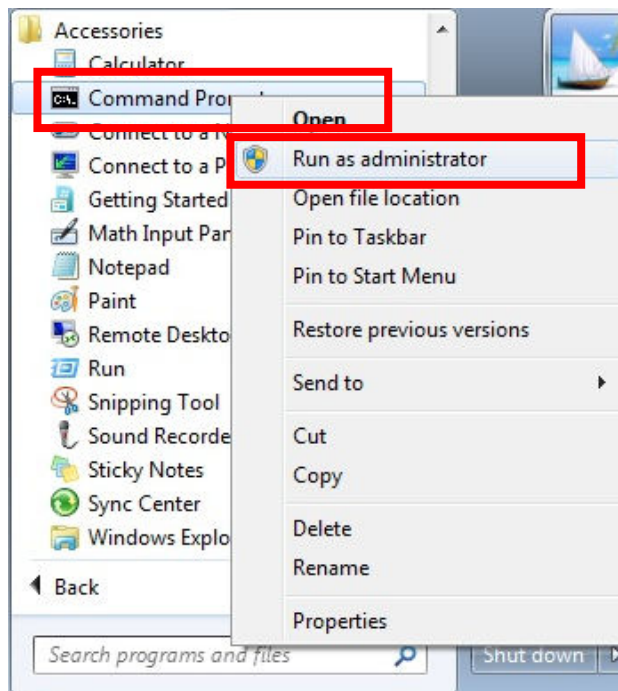
 *Administrator privileges are required for driver installations.*

 *Windows 10 or higher is not supported*

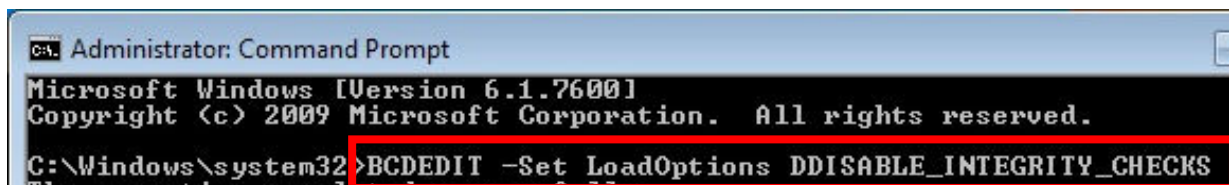
4.2.1 Installation with Windows 8 (32/64 bit)

 With Windows 8, the "Driver Signature Verification" must be disabled!

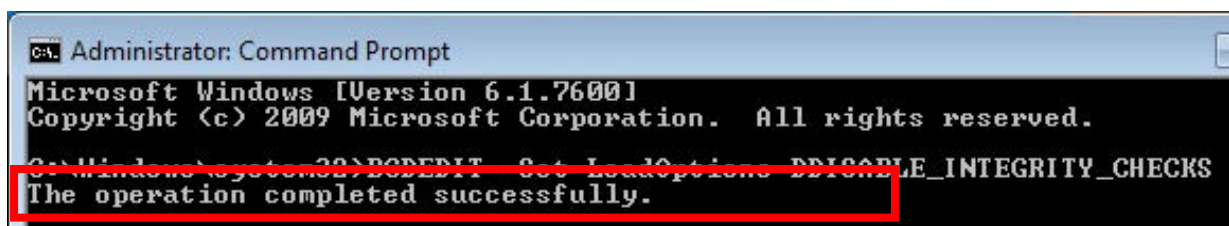
- (1) Open the Windows Accessories tab with the key combination [Windows keyboard button] + [X]
- (2) Start the Command Prompt with administrative rights by a right click on the Command Prompt and "Run as administrator"



- (3) To deactivate the "Driver Signature Verification" enter the command:
"BCDEDIT -Set LoadOptions DDISABLE_INTEGRITY_CHECKS"



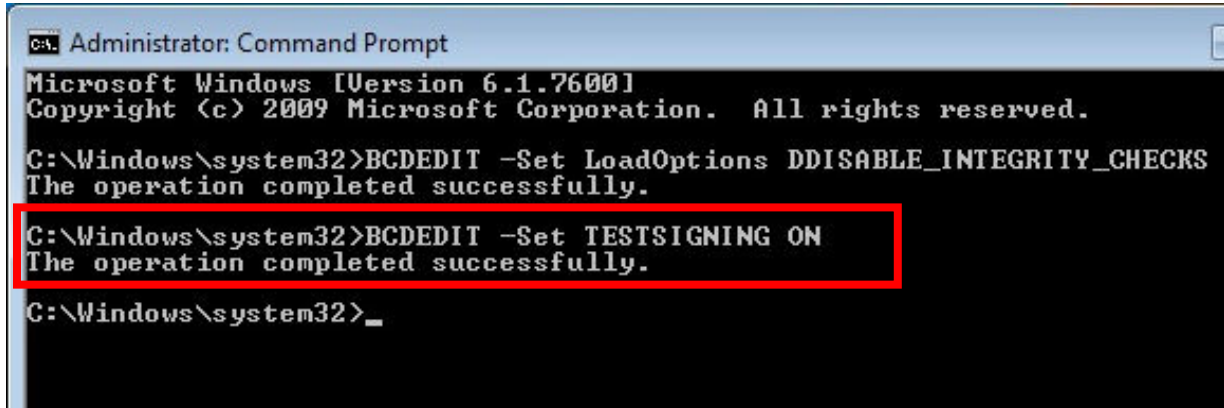
Confirm with the "Return" key



The successful command will be displayed.

- (4) To reactivate the "Driver Signature Verification" enter the command:

"BCDEDIT -Set TESTSIGNING ON" and confirm with <Enter>

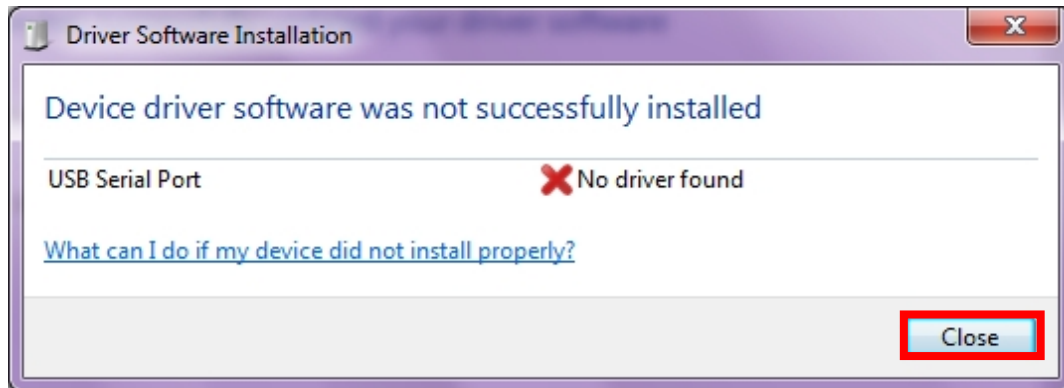
A screenshot of a Windows Command Prompt window titled "Administrator: Command Prompt". The window shows the following text: "Microsoft Windows [Version 6.1.7600] Copyright (c) 2009 Microsoft Corporation. All rights reserved. C:\Windows\system32>BCDEDIT -Set LoadOptions DDISABLE_INTEGRITY_CHECKS The operation completed successfully. C:\Windows\system32>BCDEDIT -Set TESTSIGNING ON The operation completed successfully. C:\Windows\system32>_". The command "BCDEDIT -Set TESTSIGNING ON" and its output are highlighted with a red rectangular box.

The successful command will be displayed.

- (5) Restart the computer
- (6) For the driver installation follow the steps described with chapter: "Installation with Windows 7 (32/64 bit)"

4.2.2 Installation with Windows 7 (32/64 bit)

- (1) Plug the FAFNIR USB Stick to the USB-Port of your PC/Laptop
- (2) Plug the FAFNIR USB Adapter to the USB-Port of your PC/Laptop
- (3) Windows automatically starts the "Driver Software Installation" without success



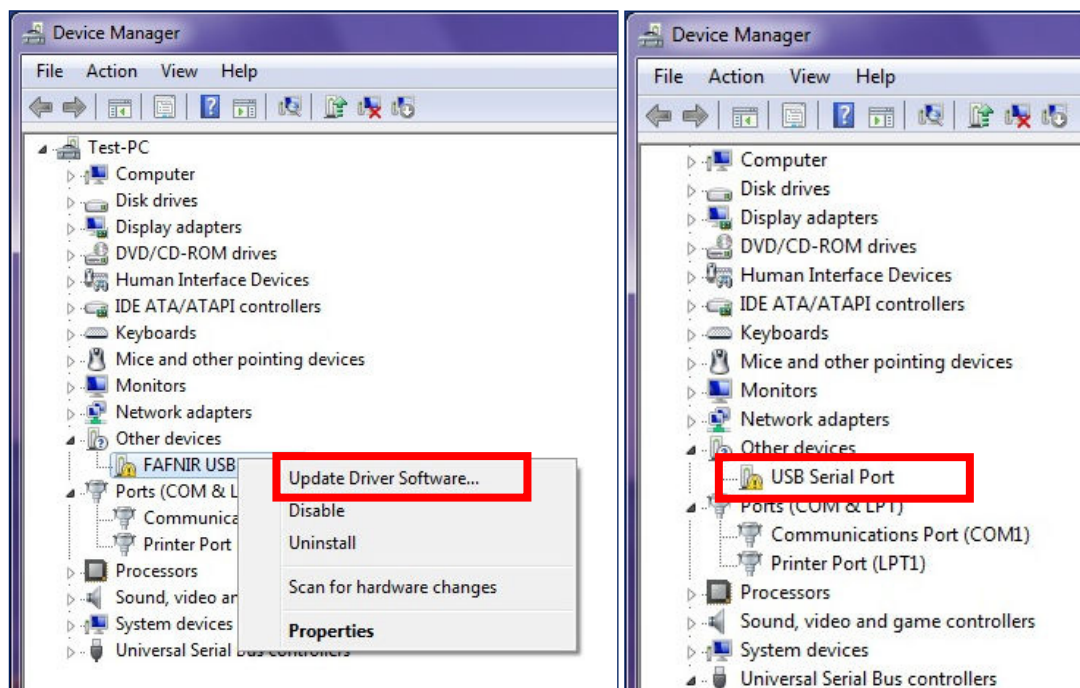
Click on "Close"

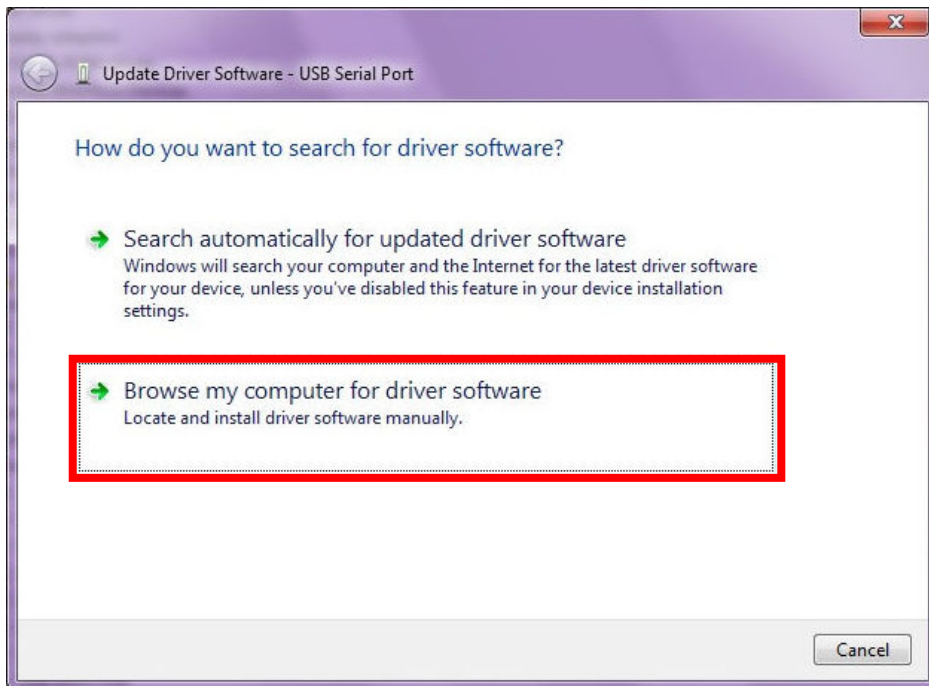
- (4) Open the Windows Device Manager



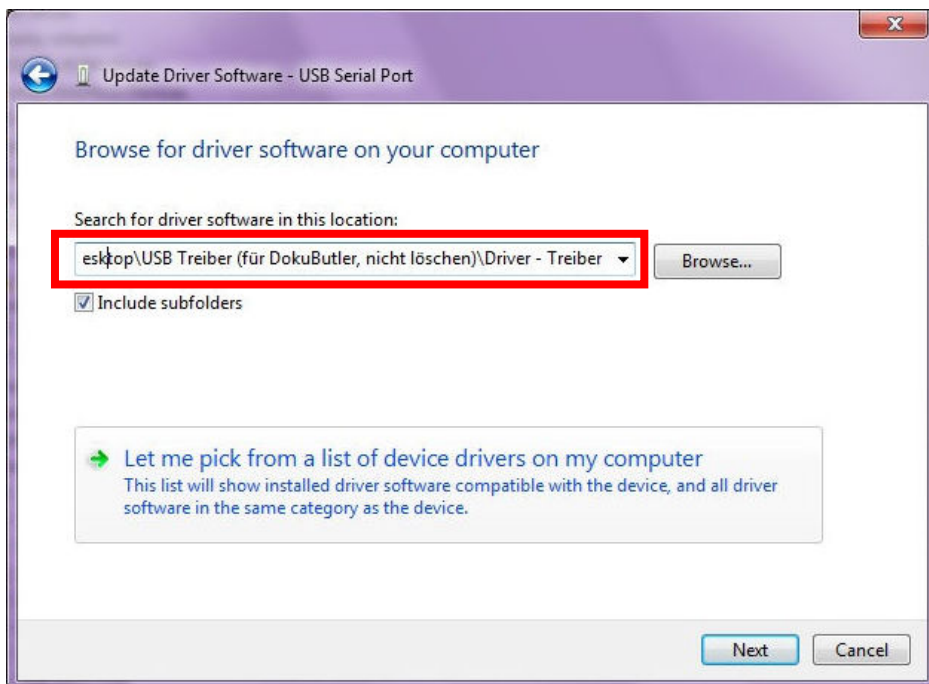
The Installation has to be done twice to install both drivers "FAFNIR USB Serial Converter" and "FAFNIR USB Adapter".

- "Update Driver Software" by a right mouse click on the "FAFNIR USB Adapter"
- "Update Driver Software" by a right mouse click on the "USB Serial Port" entry

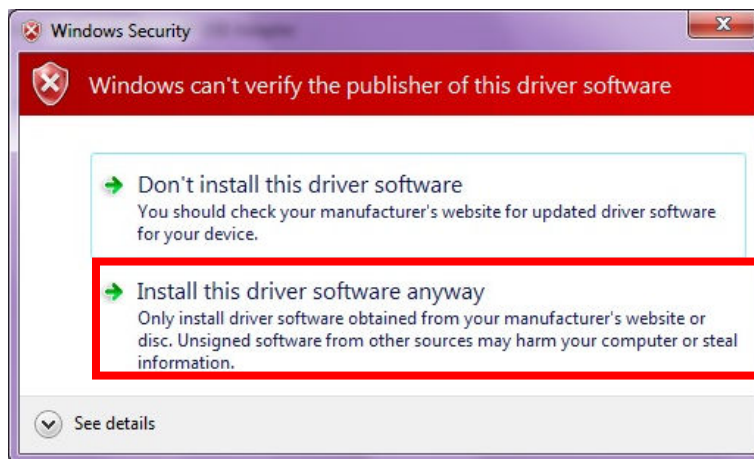




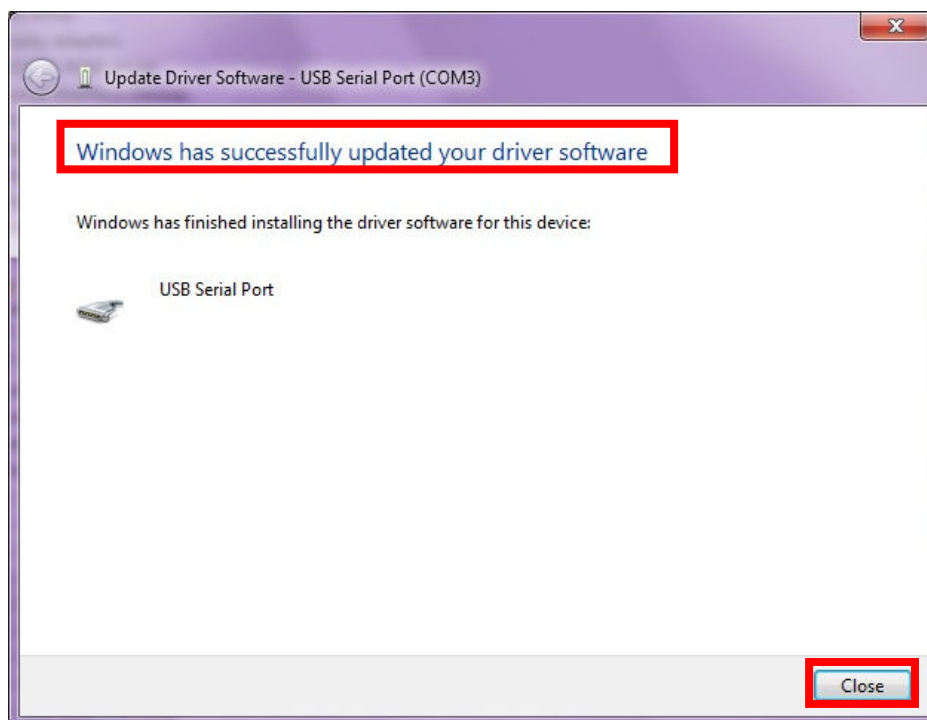
- Select "Browse my computer for driver software"



- Enter the path of the files at your USB Stick



- Confirm the Driver Software Installation even if Windows cannot verify it



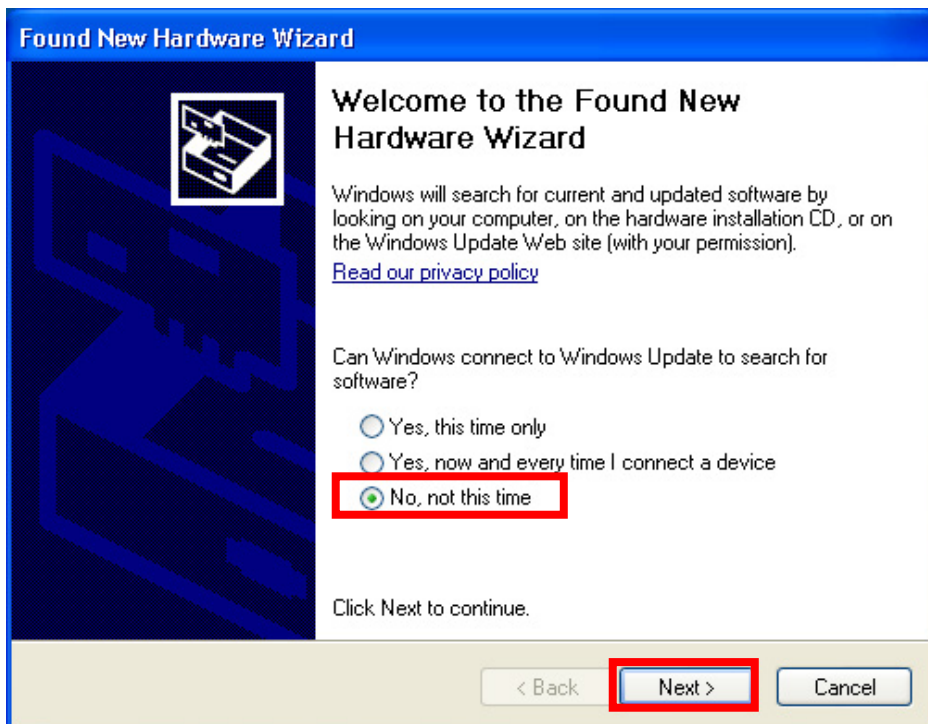
- After successful installation note the assigned COM port and click on "Close"
- (5) Repeat installation once again beginning with step (4) to install the second driver
 - (6) Check for the Com Port of the FAFNIR USB Adapter:
 - Enter <devmgmt.msc> into the command prompt (Start -> Run ...)
 - Note down the assigned Com Port (here COM3)
 - (7) Installation completed

4.2.3 Installation with Windows XP

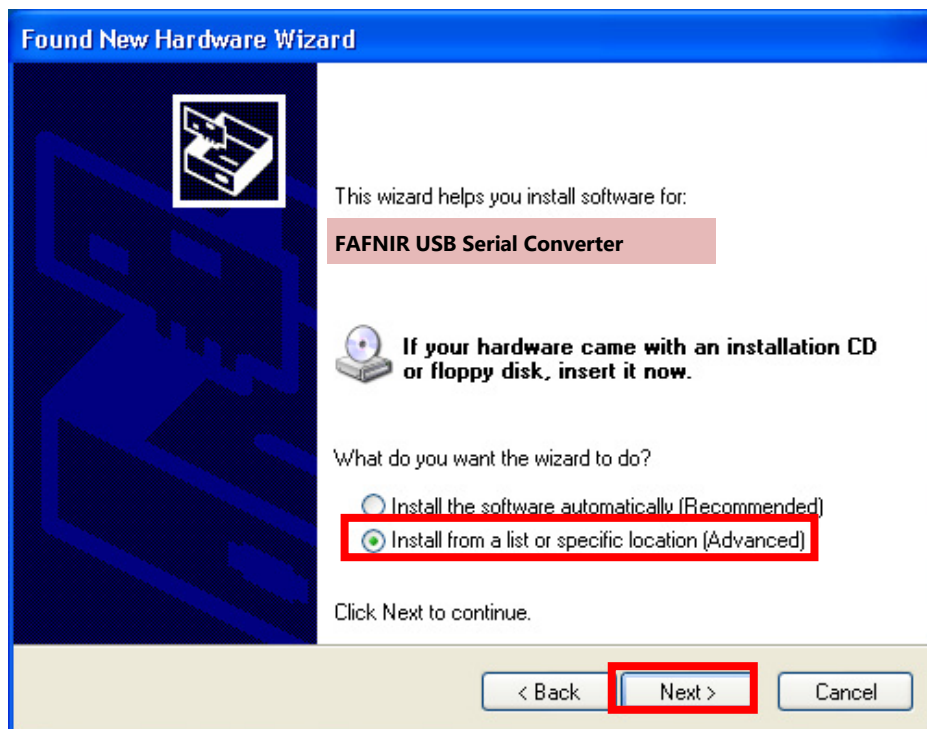


Two Windows drivers need to be installed:
the **"FAFNIR USB Serial Converter"** and the **"FAFNIR USB Adapter"**

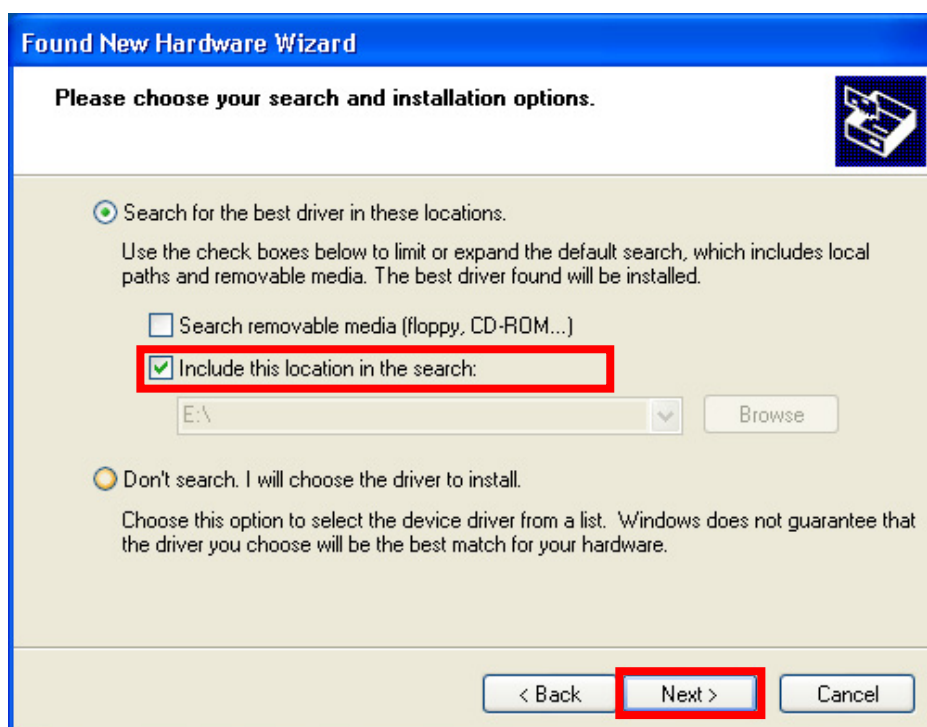
- (1) Plug the FAFNIR USB Stick to the USB-Port of your PC/Laptop
- (2) Plug the FAFNIR USB Adapter to the USB-Port of your PC/Laptop
- (3) Hardware Wizard opens
- (4) Install the **FAFNIR USB Serial Converter**:



- Select **"No, not this time"** and click on **"Next >"**.



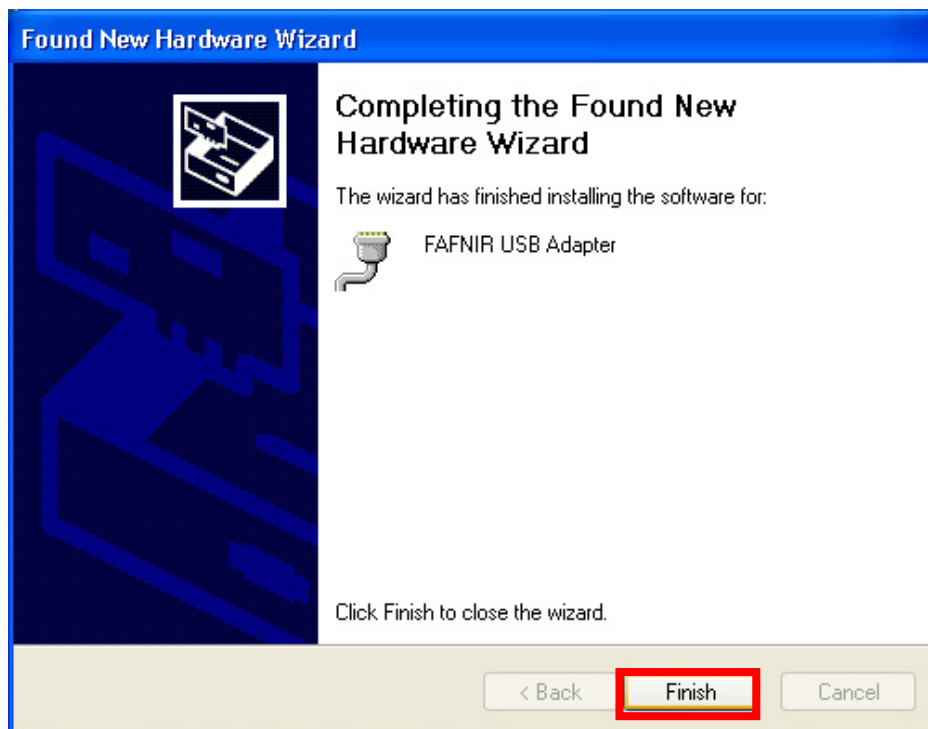
- Select "Install from a list ..." and click on "Next >".



- Select „Include this location in the search“ and choose the path of the USB Stick. Click on "Next >".



- Click on "Continue Anyway".
 - Click on "**Finish**" when the installation of the FAFNIR USB Serial Converter is done.
- (5) Remove and reconnect the FAFNIR USB Stick and FAFNIR USB Adapter
- Again the Hardware-Wizard opens
- (6) Install the **FAFNIR USB Adapter** Software:
- A window opens asking you to install the FAFNIR USB Adapter Software.



For installing repeat the same steps as described at last item (4).

(7) Check for the Com Port off the FAFNIR USB Adapter:

- Start the Command Prompt (Start -> Run ...) and enter <devmgmt.msc>
- Note down the assigned Com Port (here COM3):



(8) Installation completed



FAFNIR GmbH
Schnackenburgallee 149 c
22525 Hamburg
Germany
Tel.: +49 / 40 / 39 82 07-0
Fax: +49 / 40 / 390 63 39
E-mail: info@fafnir.com
Web: www.fafnir.com
