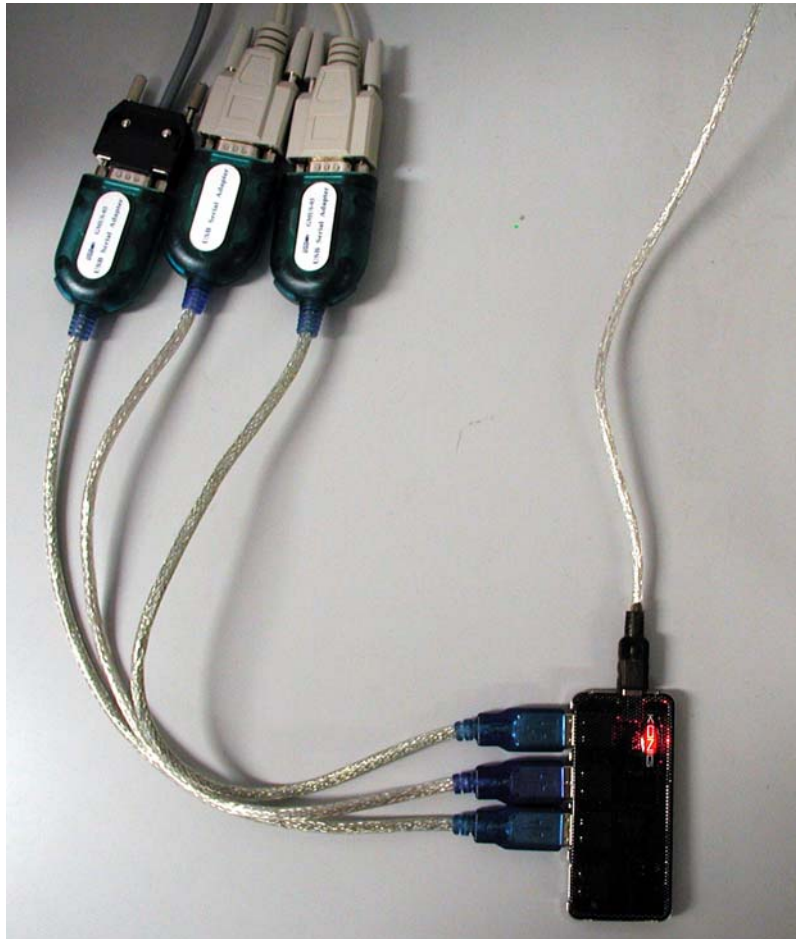


USB connection kit installation guide



Symbols

The following pictogram is used in this installation guide:



Caution

General precautions



Take precautions against electrostatic discharge during installation to prevent damage of the electronic parts



Use proper eye and skin protection when working with solvents.



Use of this product outside the scope of this guide may present a hazard.

Spare parts and service availability

Manufacturer provides operational spare parts of instruments and current accessories for a period of five years after shipment of the final production run of the instrument. Spare parts will be available after this five years period on an 'as available' basis.

Manufacturer provides a variety of services to support her customers after warranty expiration. Repair service can be provided on a time and material basis. Contact your local supplier for servicing. Technical support and training can be provided by qualified chemists on both contractual or as-needed basis.

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CHAPTER 1

Installation

Introduction

The USB connection kit (p/n 190.0200 or 190.0202) is a basic kit consisting of a 4 port USB hub together with a set of 2 or 3 USB-to-Serial converters to make all necessary PC communication connections for the ALEXYS 110 and ALEXYS jr.



To be able to use this kit your PC needs to have at least one free USB port available.

The following parts are supplied in the kit:

Qty	Part no.	User manual
2 or 3	250.0123	USB-to-serial converter
1	250.0123H	4-port USB hub
1	n/a	USB-to-COM driver CD*
1	182.0010	USB connection kit installation guide

*) The USB-to-COM driver is also available on the Antec Leiden software CD (250.9010).

The kit has all the necessary parts to set up all connections for ALEXYS 110 or jr. If more pumps or equipment has to be connected, additional converters or hubs have to be ordered separately.

Unpacking

Inspect the *transport box* for possible damage as it arrives. Immediately inform the transport company in case of damage, otherwise she may not accept any responsibility. Keep the transport box as it is designed for optimum protection during transport and it may be needed again. Carefully unpack the instrument and inspect it for completeness and possible damage. Contact your supplier in case of damage or if not all marked items on the checklist are included. Prior to shipment, your USB connection kit has been inspected and tested to ensure the best possible performance.

Installation guidelines

In the following section a step-by-step instruction is given for the installation and configuration of the USB connection kit. A photograph of an installed USB connection kit is shown in figure 1 for reference.

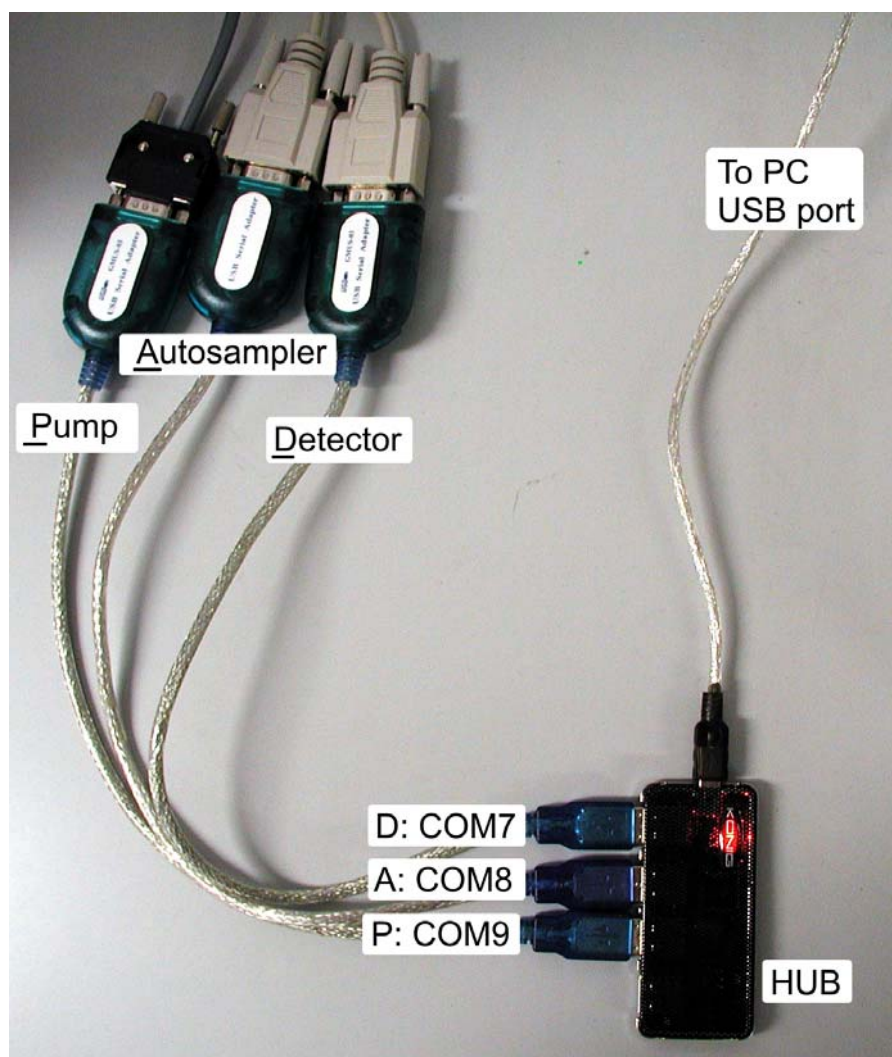
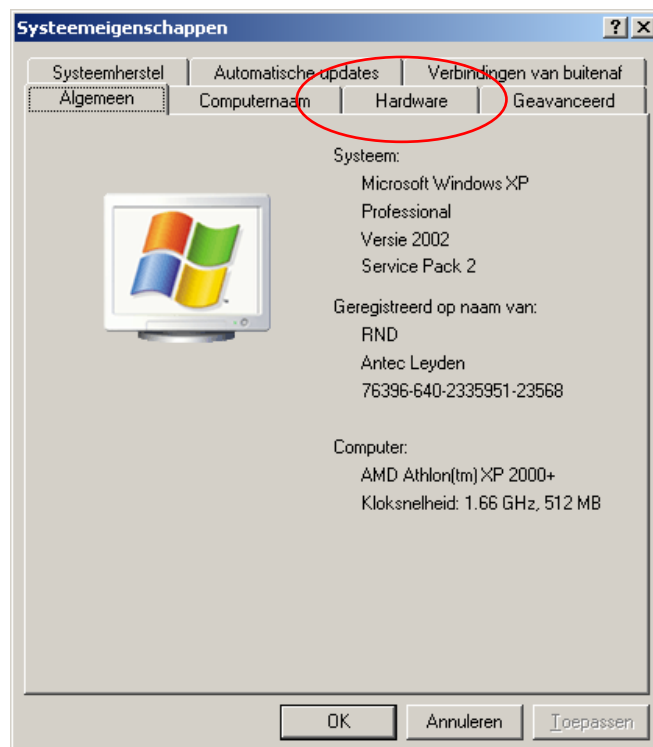


Figure 1. Photograph of an installed USB connection kit. Note that the appearance of the parts shown in the photograph can deviate from the actual parts supplied. This is due to the fact that the market for computer parts is volatile and the availability of a certain type of PC part usually short. However, this does not affect the installation, configuration and operation of the part.

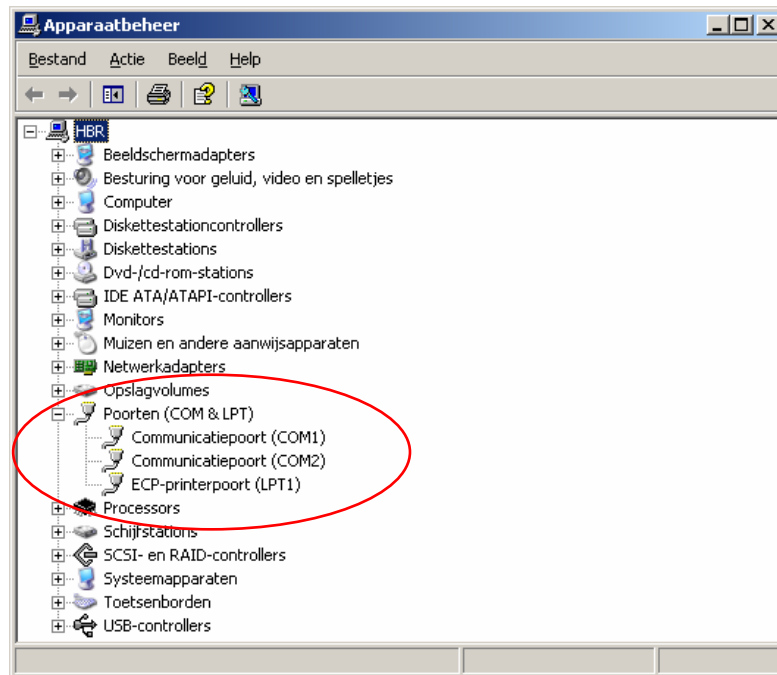


It is strongly advised to follow these instructions carefully otherwise your system is not compatible with the pre-configured ALEXYS 110 system files supplied on the Antec Leyden support site or the Antec Leyden softwareCD !

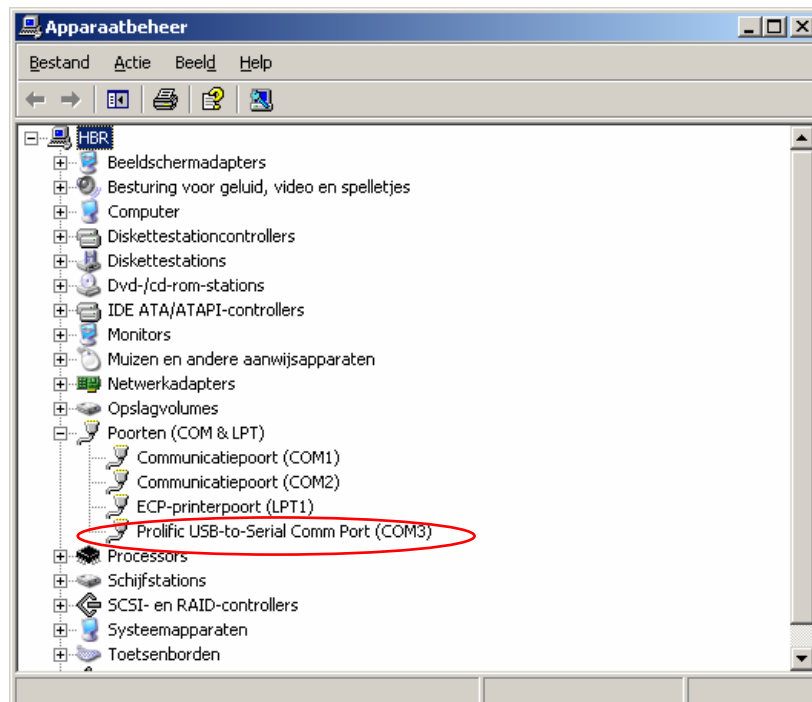
1. Install the USB-to-COM Windows driver supplied on the CD before inserting any of the electronic parts to the PC.
2. Install the USB hub into a free USB port on the computer. Under windows 2000, XP or Vista no hub drivers are necessary for proper operation.
3. Open your computer and Right-click on the “My Computer” icon and open the “System properties” menu. Or open the “Configuration screen” via the Windows start menu and select the menu “System properties”.



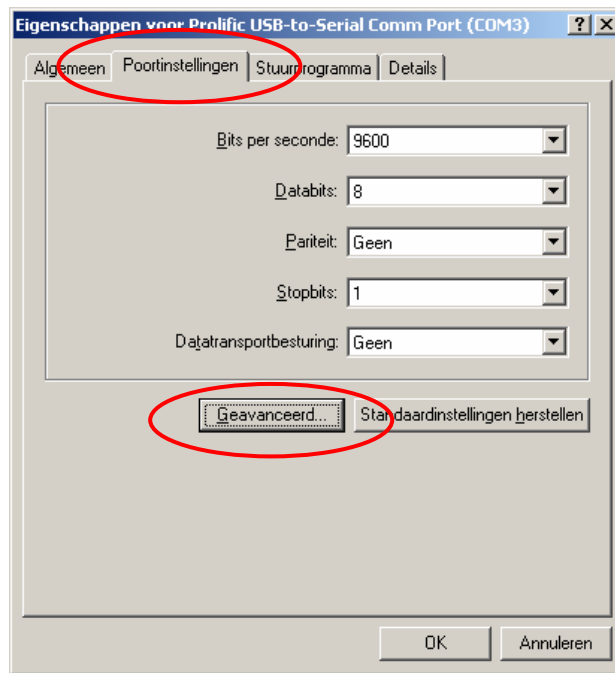
4. Goto the “Hardware” tab and open the menu “Hardware management”. A window will open showing all hardware parts of the computer system. Open the item “ports” and a listing will appear showing all available COM and parallel ports of the system.



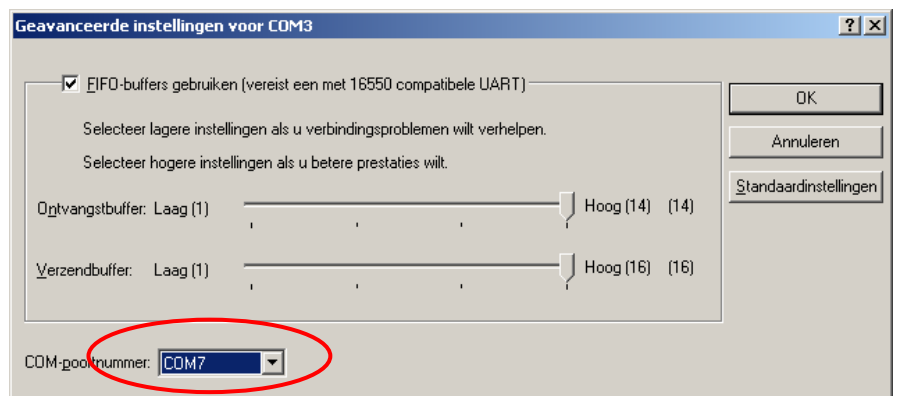
5. Install the first USB-to-serial converter in the first USB port of the hub. See figure 1.
6. When the converter is installed the new hardware is automatically recognized and a new virtual COM port will be available in the hardware manager. It is called Prolific USB-to-Serial Com Port.



- The next step is to re-configure the virtual COM port to COM7. Right-Click on the Prolific USB-to-Serial Com Port with the mouse and open the “Properties” menu. Subsequently, open the tab “Port configuration” and go to the menu “Advanced.



Set the com port number to COM7. COM7 is the default COM port of the DECADE II SDC in the preconfigured ALEXYS 110 system (*.smt) files used in the ALEXYS data system software.

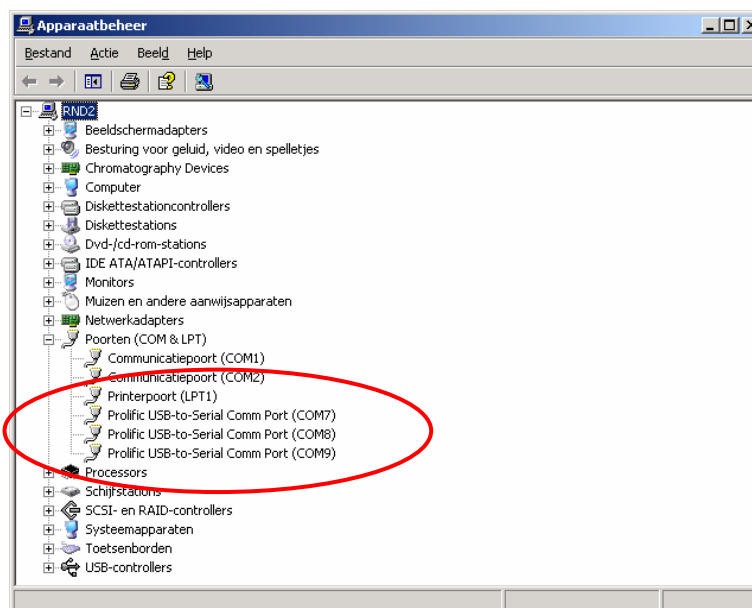


Check in the hardware manager if indeed virtual COM7 is displayed.

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8. Connect the serial cable supplied with the DECADE II SDC (p/n 250.0122) to the RS232 connector of the USB-to-serial converter and connect the other end to the detector. See figure 1.
9. Repeat the installation & configuration procedure for the second and third COM-to-serial converter to set up the connections for the AS 110 autosampler and the LC 100 pump, respectively. The equipment should be connected in the following order D-A-P (Detector-Autosampler-Pump) to COM port 7, 8 and 9, respectively. See figure 1. Any deviation to the advised configuration will result in communication errors when using the pre-configured system files. In that case a new system file needs to be prepared in ALEXYS using the actual COM port configuration. For systems which have two pumps installed extend the configuration in the following way: D-A-P-P, where the second pump is connected to COM port 10.

<u>D</u> etector	–	COM 7
<u>A</u> utosampler	–	COM8
<u>P</u> ump	–	COM9
<u>P</u> ump 2	–	COM10 (optional)



Do not activate the “sleep mode” in the Windows energy saving menu when working with ALEXYS because it may potentially affect the serial communication (loss of communication).