Installing Nanostep-Smart TCP control software and connecting to the controller
Nov 2013, Plamen Boutachkov

🔴 **Installing the following software:**
1. VitrtualCom
2. Konfigurationstool-xtadminxxl
3. SwitchBoard_162_Vision_Setup.exe

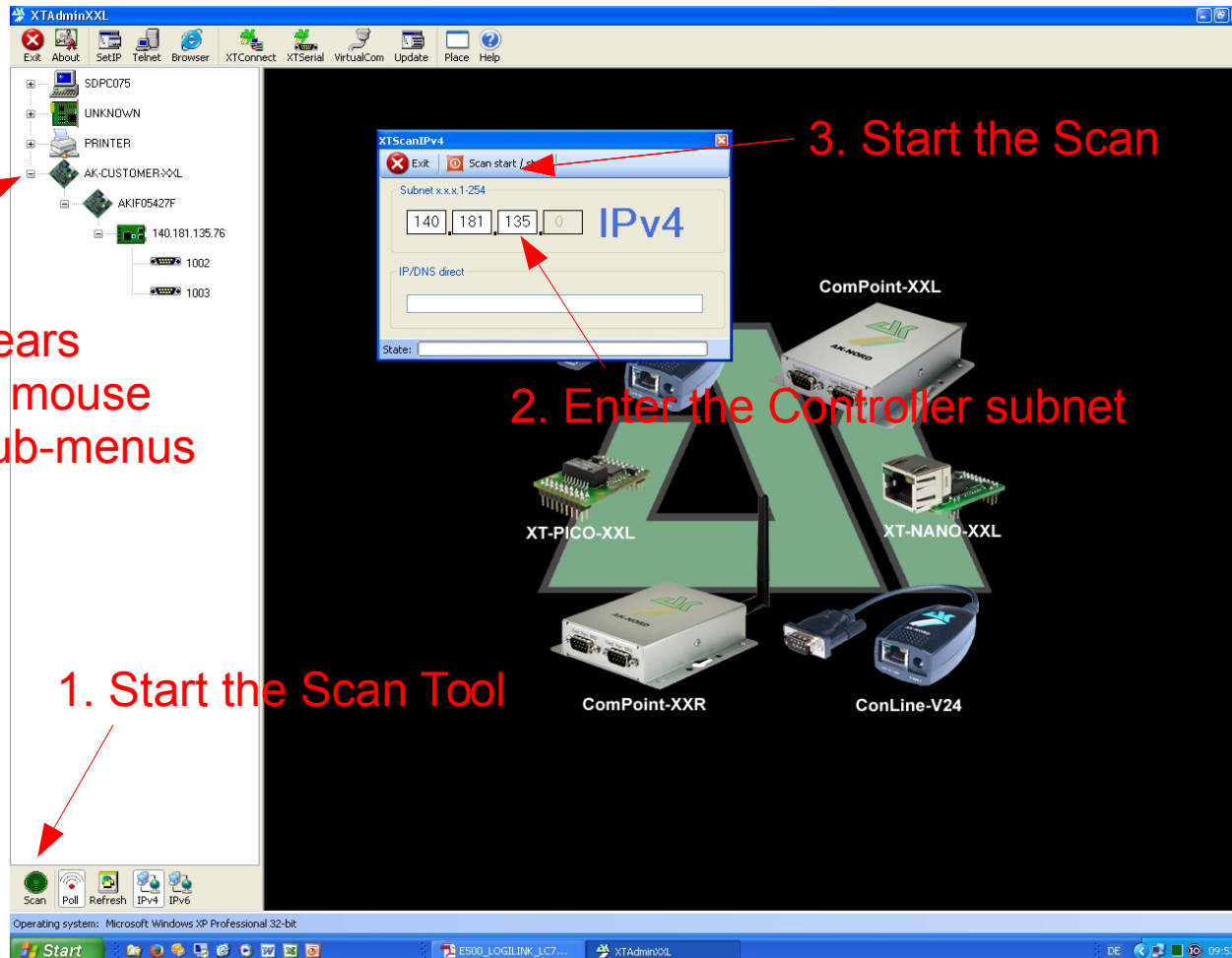(Note: the file 130430_TangoI-Application_V1p602_ModuloMode.hex contains controller firmware. The firmware update enables additional capabilities, it is applied to the two controllers in the optical lab)

🔴 **Create a Virtual Port:**

The virtual port is bridge from a local COM port over TCP/IP to the controller.
The procedure needs to be done once per device. After this one can directly start SwitchBoard (see next section) and control the attached devises by choosing the corresponding COM port.

1. Start xtadminxxl
2. Find the device using the Scan tool

4. The found controler appears here. Use the mouse to open the sub-menus

3. Start the Scan

2. Enter the Controller subnet

1. Start the Scan Tool

3. Create a Virtual Com Port

1. Start the VirtiualCom Tool

2. Go to Settings

3. Choose a free port, **COM4 or above**

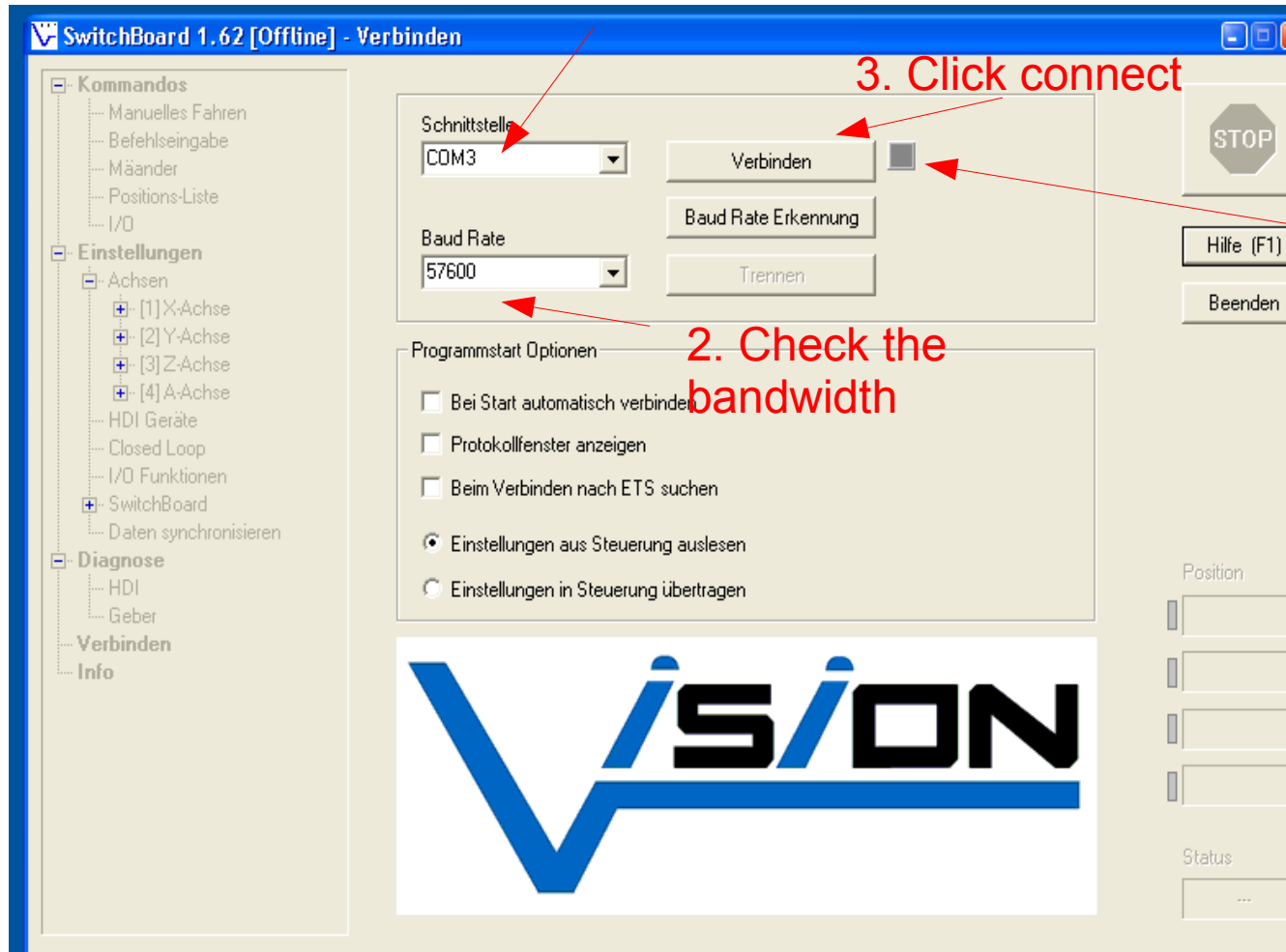4. Click here to auto fill the rest of the fields

5. Click Save

● Connect to the Virtual port

1. If connected, Disconnect the USB control
2. Start SwitchBoard

1. Choose the VirtualPort connected to your device

3. Click connect

4. Upon successful connection this light should become green

2. Check the bandwidth

Safety note: Avoid connecting/disconnect step mottoes when the controllers are under power