

| | | |
|---------------------|--|-------------------------------------|
| Version: 1.00 | USB Extension Box | @nker |
| Date: 18.11.2004 | Driver Installation Com-Port Settings | Horst Lümke Hardware Development |

The Anker-Systems USB Extension Box 40102.650-xxxx is a USB device which complies with the USB specifications 2.00. Two different Windows drivers for Windows98, Windows2000 and Windows xp are available for the device:

- VCP driver which maps a virtual Com port for the device in the operating system.
- D2XX driver which allows for access via special functions provided in a DLL file. In this case, the functions must be realised in the user software.

As the USB Extension Box uses the same data format as the Extension Box with RS232 interface, replacement of the Extension Box with RS232 Interface by the VCP driver with the USB Extension Box is simple.

Installation of this driver and the necessary settings in the Com port no. and the transfer parameters are described below.

Installation of driver under Windows xp professional (English version):

The prerequisite for the procedure described here is that the driver files are stored on a "removable media", i.e. on a CD-ROM or a floppy disk.

If the driver files are stored on the HDD the appropriate storage locations must be selected during installation.

The driver is installed in three steps. First step is installation of the driver for the Extension Box, then installation of the driver for the virtual Com port and then follows the check to ensure installation is correct.

Part 1, Installation of driver for the Extension Box:

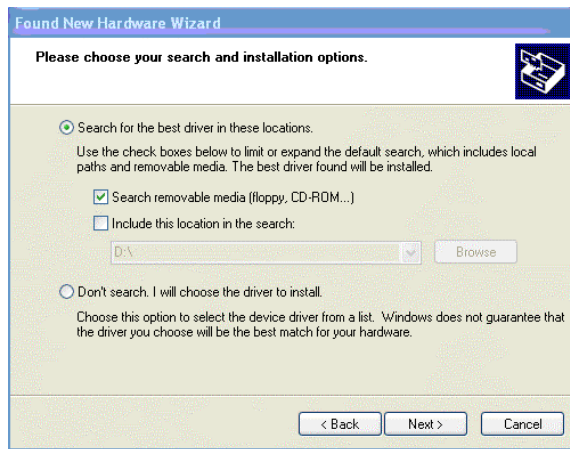
- Place USB connector of the device in the appropriate USB port.
- The following window appears after a short time:



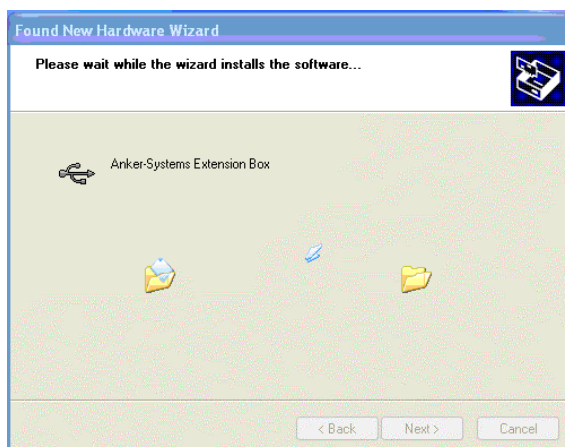
- Select "Install from a list or specific location (Advanced)" and then click on "Next".

| | | |
|---------------------|--|-------------------------------------|
| Version: 1.00 | USB Extension Box | @nker |
| Date: 18.11.2004 | Driver Installation Com-Port Settings | Horst Lümke Hardware Development |

-The following window appears after a short time:



- Place the data media with the driver files in the correct slot.
- Select "Search for the best driver" and additional "Search removable media (floppy, CD-ROM)" and then click on "Next".
- The following window appears after a short time:



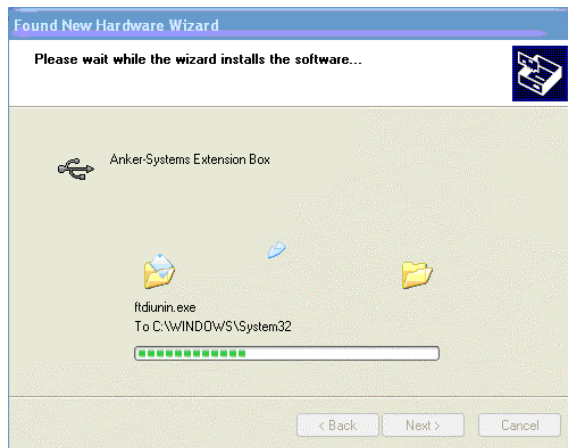
- The additional window shown below may appear:



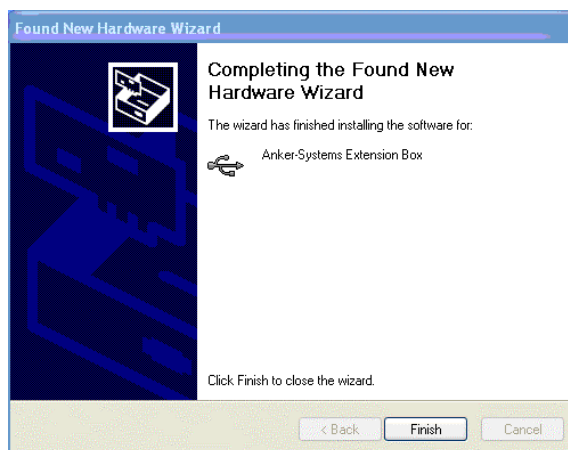
- Click on "Continue Anyway" in this case.

| | | |
|---------------------|--|-------------------------------------|
| Version: 1.00 | USB Extension Box | @nker |
| Date: 18.11.2004 | Driver Installation Com-Port Settings | Horst Lümke Hardware Development |

The window is closed and the previous window shows the progress of the driver installation as shown below.

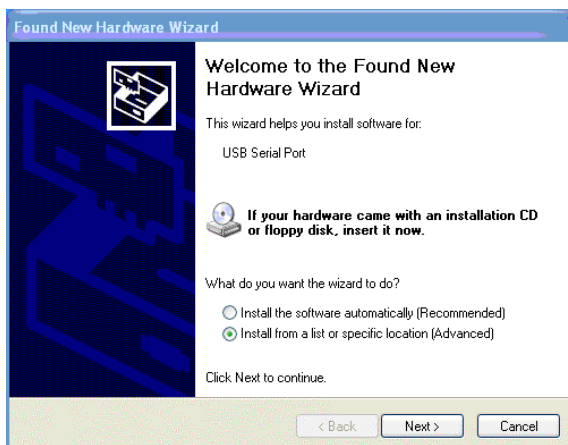


- After installation has been completed, the window is closed and the following window appears:



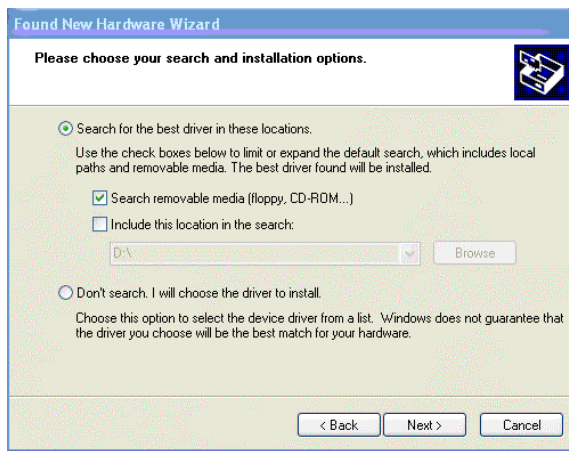
- Click "Finish" to end the first part of the installation.

Part 2, Installation of the driver for the virtual Com port:
The following window appears after a short time:

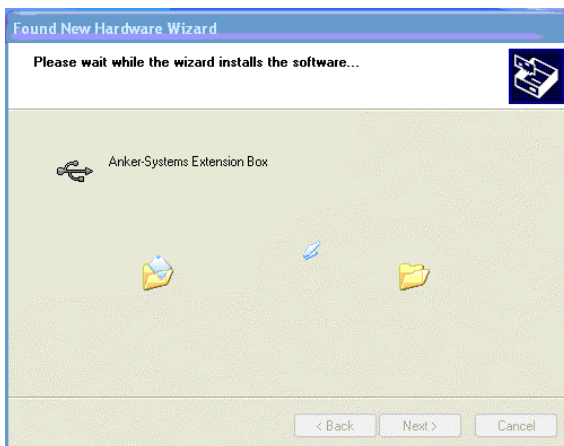


| | | |
|---------------------|--|-------------------------------------|
| Version: 1.00 | USB Extension Box | @nker |
| Date: 18.11.2004 | Driver Installation Com-Port Settings | Horst Lümke Hardware Development |

- Select "Install from a list or specific location (Advanced)" and then click on "Next".
- The following window appears after a short time:



- Select "Search for the best driver" and additional "Search removable media (floppy, CD-ROM)" and then click on "Next".
- The following window appears after a short time:



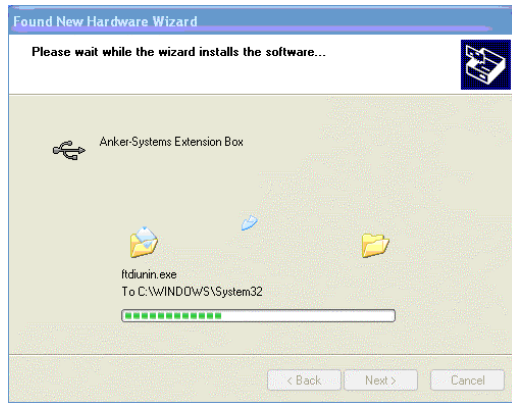
- The following additional window may open after a short time:



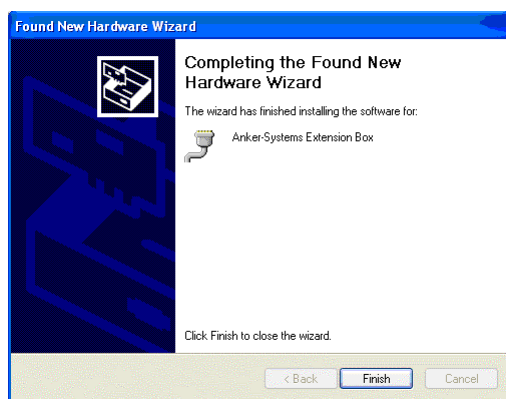
- Click in this case on "Continue Anyway".

| | | |
|---------------------|--|-------------------------------------|
| Version: 1.00 | USB Extension Box | @nker |
| Date: 18.11.2004 | Driver Installation Com-Port Settings | Horst Lümke Hardware Development |

The window is closed and the previous window shows the progress of the driver installation as shown below.

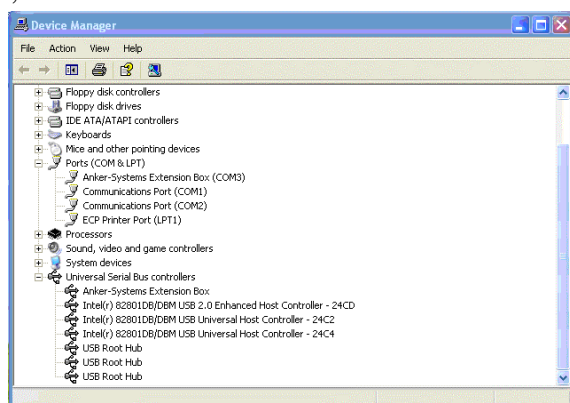


- After finalisation of the installation the window is closed and the following window appears:



- Click on "Finish" to end the second part of the installation.

Part 3, Check that installation is correct:



Start the device manager and check the following entries:

- Anker-Systems Extension Box under Universal Serial Bus controllers
- Anker-Systems Extension Box (Comx) under Ports (Com & LPT)

If these entries exist and no warning messages are visible, the driver installation was successful.

| | | |
|---------------------|--|-------------------------------------|
| Version: 1.00 | USB Extension Box | @nker |
| Date: 18.11.2004 | Driver Installation Com-Port Settings | Horst Lümke Hardware Development |

The device manager should remain active.

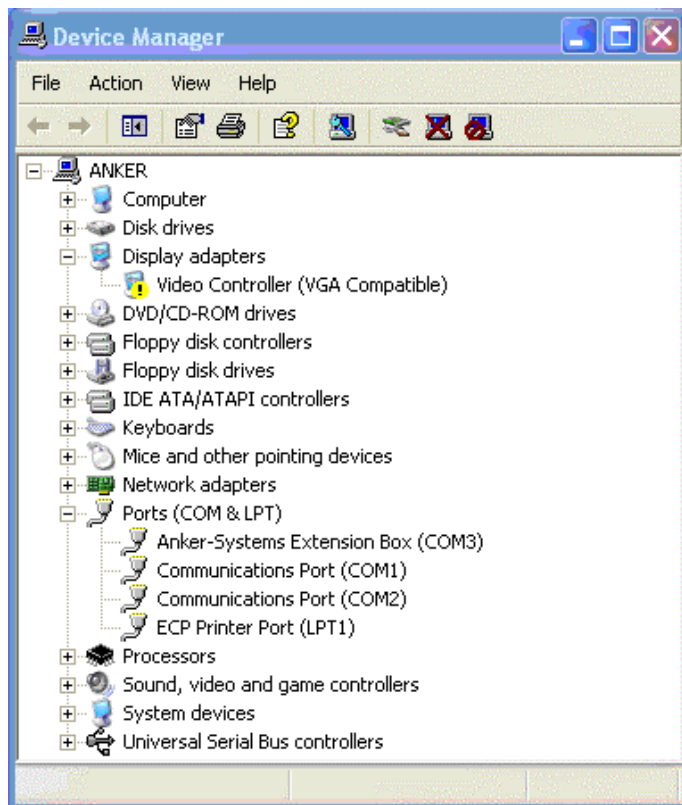
The transfer parameters of the virtual Com ports should then be set! The Com port no. can also be changed to adjust this, if necessary, to the requirements of the user software.

The settings are listed below.

a) Setting of transfer parameters:

- Click on (+) before "Ports (Com & LPT)" in the device manager.

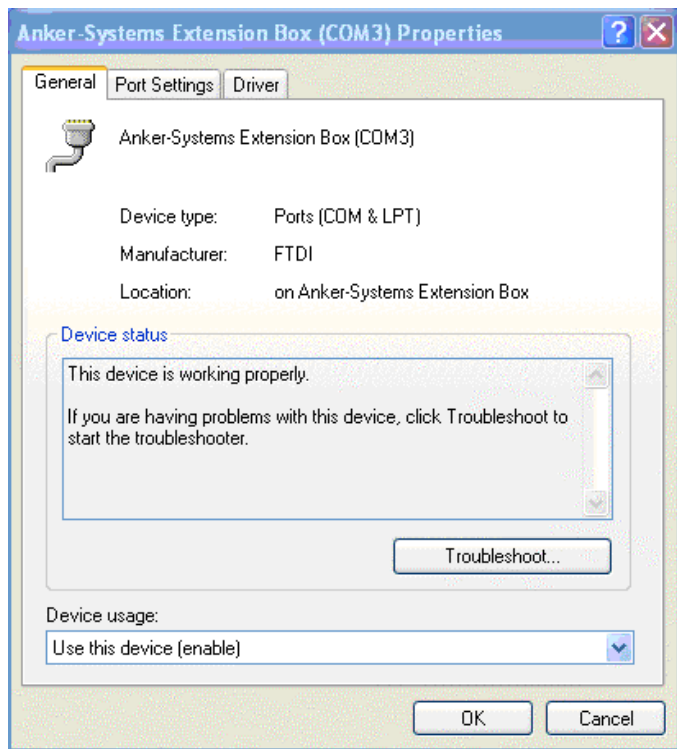
The window shown below appears:



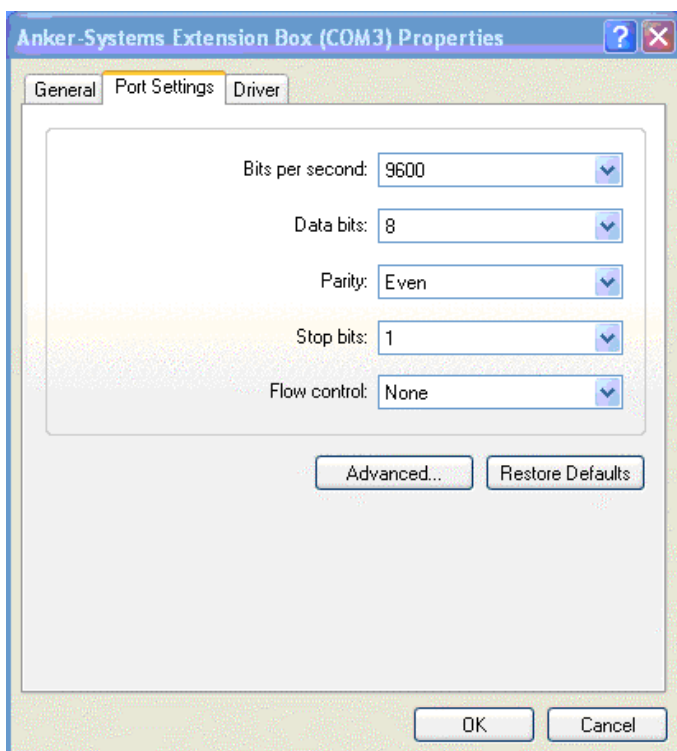
- Select "Anker-Systems Extension Box (COMx)" and then "Properties" in the context menu (right-hand mouse key)

The window shown overleaf then appears:

| | | |
|---------------------|--|-------------------------------------|
| Version: 1.00 | USB Extension Box | @nker |
| Date: 18.11.2004 | Driver Installation Com-Port Settings | Horst Lümke Hardware Development |



- Select the tab "Port Settings"
and the window shown below appears:

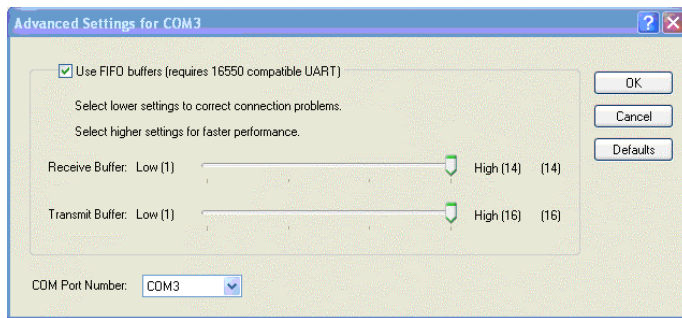


| | | |
|---------------------|--|-------------------------------------|
| Version: 1.00 | USB Extension Box | @nker |
| Date: 18.11.2004 | Driver Installation Com-Port Settings | Horst Lümke Hardware Development |

- Select the following transfer parameters:
9600 bits per second, 8 data bits, even parity, 1 Stop bit, None Flow control
- NOTE ! The setting of the listed values must be retained !

b) Setting of Com port no.:

Select "Advanced" in the displayed window
The window shown below appears:



Select the required port no. from "Com Port Number" and close the window by clicking on "OK"

Then close the other windows with "OK"

Close the device manager by clicking on "X"

The Anker-Systems Extension Box is now ready to operate.