Installation instructions

USB interface drivers for OTT IrDA-Link USB

English

1 Introduction

To use the OTT IrDA-Link USB optical reading head on a PC, special USB interface drivers are required. These USB interface drivers must be installed on the first use of the reading head.

OTT Hydromet uses drivers from "Future Technology Devices International Limited" (FTDI) for this purpose. The drivers have two components: "USB Serial Port (COMx)" and "USB Serial Converter".

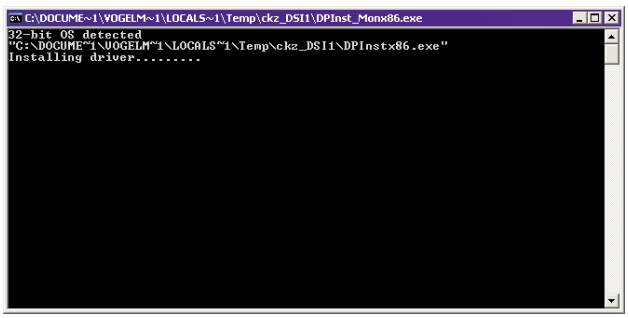
You can use the USB interface drivers on any current standard PC with a USB interface and an operating system from Microsoft Windows 2000.

2 Installing the USB interface drivers

The procedure described here is based on the Microsoft Windows XP operating system. It applies to the other Windows operating system versions with minor changes.

How to install the USB interface drivers:

- Log on to the PC with administrator rights.
- Connect the OTT IrDA-Link USB to a USB interface on the PC → the PC recognizes the new hardware and displays the message*: "Found new hardware. OTT IrDA-Link USB" → the "Found New Hardware Wizard" opens.
- Click on "Cancel".
- Ignore error message*: "A problem occurred during hardware installation. Your new hardware might not work properly".

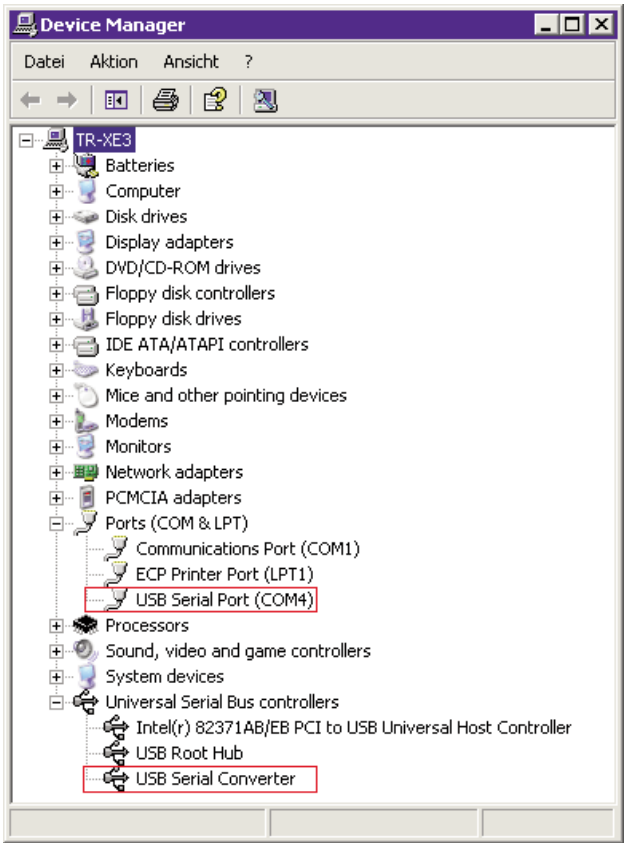


- Open file "CDM x.xx.xx.exe" (e.g.CDM 2.08.02) on the "OTT IrDA-Link USB Software" CD-ROM (Directory: …/Driver/EXE) → a window with an automatic installation program opens and installs the USB interface driver.
- After completion of the installation process, the message*: "Your new hardware is installed and ready to use" appears.
- The OTT IrDA-Link USB can now be used in conjunction with the OTT operating programs and with the OTT Hydras 3. See Chapter 6.

* In the notification area of the taskbar

3 Checking the installation (if required)

How to check the USB interface driver installation:



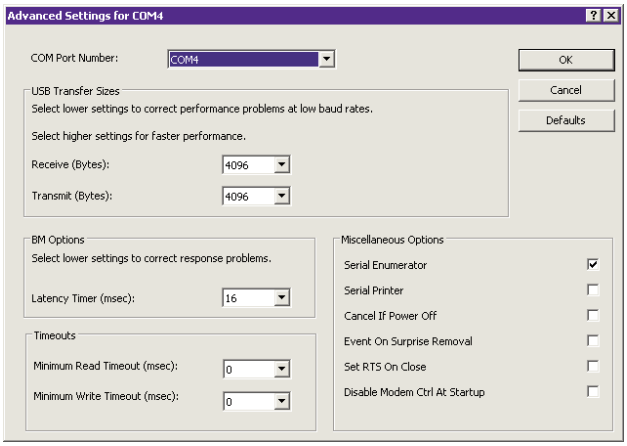
- Connect the OTT IrDA-Link USB to a USB interface on the PC.
- Select "Start" → "Control Panel" → "System" → "Hardware" → "Device Manager".
- Check whether the entries shown in red in the Figure shown here are present. The number of the "USB Serial Port (COMx)" can be anything.
- If any entries are missing → reinstall the USB interface drivers.
- Close Device Manager.

Note

▶ The entries can only be viewed with an OTT IrDA-Link USB connected!

4 Changing the COM port numbers used (as required)

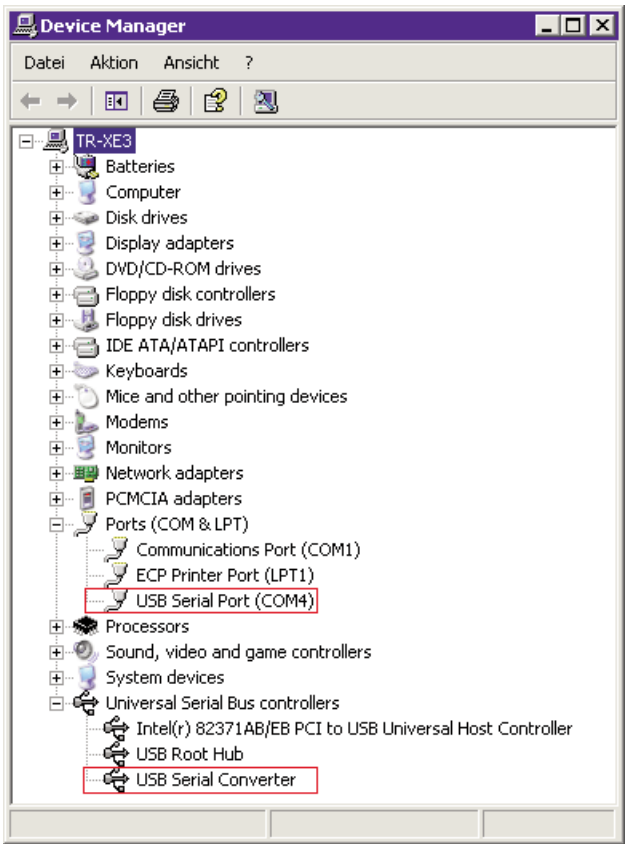
How to change the COM port number of the USB interface driver "USB Serial Port":



- Connect the OTT IrDA-Link USB to a USB interface on the PC.
- Select "Start" → "Control Panel" → "System" → "Hardware" → "Device Manager".
- Click on "USB Serial Port (COMx)" using the right mouse button and select "Properties".
- Select "Port Settings" → "Advanced...".
- Enter the required (virtual) "COM port number" .
- Click on "OK".

5 Uninstalling the USB interface drivers

How to uninstall the USB interface drivers:



- Connect the OTT IrDA-Link USB to a USB interface on the PC.
- Select "Start" → "Control Panel" → "System" → "Hardware" → "Device Manager".
- Click on "USB Serial Port (COMx)" using the right mouse button and select "Uninstall".
- Confirm "Warning: You are about to uninstall this device from your system." with "OK".
- Click on "USB Serial Converter" using the right mouse button and select "Uninstall".
- Confirm "Warning: You are about to uninstall this device from your system." with "OK".
- Close Device Manager.

Notes

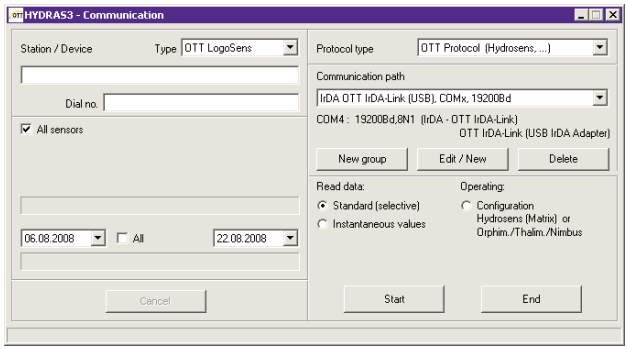
- Follow this sequence for uninstalling!
- If the OTT IrDA-Link USB is connected again, the operating system will install the USB interface drivers automatically without asking. The operating system saves installation files during the initial installation in the Windows system directory for this purpose.

6 Using the OTT IrDA-Link USB with operating programs and Hydras 3

How to use the OTT IrDA-Link USB optical reading head:

LogoSens/DuoSens and Orpheus Mini operating program

- Connect the OTT IrDA-Link USB to a USB interface on the PC.
- Start the operating program.
- Select the communication path "IrDA - OTT IrDA-Link" to read and program. The operating program sets the required COM port (COMx:) and the appropriate transmission speed automatically.
  Note: If two or more OTT IrDA-Link USBs are connected to a PC, a selection window appears first with the serial numbers and the allocated COM ports → select the required OTT IrDA-Link USB.
- The functions "Read" and "Program" are now available.



Hydras 3 user software

- Connect the OTT IrDA-Link USB to a USB interface on the PC.
- Start Hydras 3.
- Mark the station and select the menu "Communication, Read/Operate".
- Select communication path "IrDA OTT IrDA-Link [USB], COMx, 19200Bd". The operating program sets the required COM port (COMx:) and the transmission speed of 19200 bit/s automatically (can be changed if required).
  Note: If two or more OTT IrDA-Link USBs are connected to a PC, a selection window appears first with the serial numbers and the allocated COM ports → select the required OTT IrDA-Link USB.
- The functions "Read data" and "Operating" are now available.

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