Installation guide

Software installation for netANALYZER devices
Installing driver and analyzer software
netANALYZER Scope DVD 01-2017
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1 Introduction

1.1 About the user manual

This user manual contains descriptions for software installation for the netANALYZER PC card NANL-C500-RE and netANALYZER device NANL-B500G-RE.

The installation of the netANALYZER Scope software or driver required for the netANALYZER devices includes the following components:

- Ethernet Device Configuration Tool (only for NANLB500G),
- netANALYZER / netSCOPE Device Driver,
- netANALYZER Remote Access Window client (only for NANLB500G) and
- netANALYZER Scope software as well as the netANALYZER software.
- A suitable WinPcap driver to allow ot use a netANALYZER card or device in a network monitoring program as a recording device.

1.1.1 Which software for which purpose?

- If you are a new user of netANALYZER devices, it is recommended:
  - For pure Ethernet frame recordings use Wireshark (with the included WinPcap driver), to use your netANALYZER device directly in Wireshark as recording hardware.
  - For graphical analysis, or for users with high performance requirements, it is recommended to use the extended software netANALYZER Scope.

- If you have already used the netANALYZER software and you do not require the extended scope of functions of netANALYZER Scope, the netANALYZER software is still available on the netANALYZER Scope DVD. Note that the netANALYZER software is no longer maintained and therefore should only be used to a limited extent.
## 1.1.2 List of revisions

<table>
<thead>
<tr>
<th>Index</th>
<th>Date</th>
<th>Chapter</th>
<th>Revisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>15-02-24</td>
<td>All</td>
<td>created</td>
</tr>
<tr>
<td>2</td>
<td>17-01-25</td>
<td>All</td>
<td>Revised</td>
</tr>
<tr>
<td>4</td>
<td>17-05-22</td>
<td>1.2.2, 2.3, 3.1, 4.2</td>
<td>Section Firmware, driver and software versions [page 7]: New version NANL-B500G-RE firmware update nanl-b500g-re.update 1.5.x.x Sections Installation notes [page 14], Overview Software installation [page 15] and First-Time Installation [page 18]: Installation notes added.</td>
</tr>
</tbody>
</table>

*Table 1: List of revisions*
1.1.3 Conventions in this manual

Notes, instructions and results of operating steps are marked as follows:

**Notes**

<table>
<thead>
<tr>
<th>![Important]</th>
<th>Important:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt;important note you must follow to avoid malfunction&gt;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>![Note]</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt;general note&gt;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>![Note]</th>
<th>&lt;note where to find further information&gt;</th>
</tr>
</thead>
</table>

**Instructions**

1. Operation purpose
2. Operation purpose
   - Instruction

**Results**

- Intermediate result
- Final result

**Safety messages**

The labeling of safety messages is explained in the chapter Safety.
1.2 Content of the netANALYZER Scope DVD

The netANALYZER Scope DVD as a ZIP file can be downloaded and unzipped to your local hard drive from the website [http://www.hilscher.com](http://www.hilscher.com) (under **Products**, directly with the information on your product). The DVD contains all the necessary drivers, software components and the documentation for the NANL-C500-RE analyzer card and the NANL-B500G-RE analyzer:

- Setup for netANALYZER Scope
  - Setup netANALYZER / netSCOPE Device Driver for 32bit and für 64 bit netANALYZER software
  - Lizencens Manager
  - Ethernet Device Configuration Tool
  - WinPcap driver
  - etc.
- Firmware update file for analyzer device NANL-B500G-RE
- Documentation (about License Manager, netANALYZER Scope, netANALYZER software, as well as about hardware, driver and software installation) and video podcast featuring commissioning example
- Example projects for netANALYZER Scope and examples for the netANALYZER Application Programming Interface (API)

1.2.1 Directory structure of the DVD

<table>
<thead>
<tr>
<th>Directory name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root directory</td>
<td>Autostart menu (<em>netAnalyzer-Scope.exe</em>)</td>
</tr>
<tr>
<td>Documentation</td>
<td>Documentation in Acrobat® Reader format (PDF), Adobe Flash Player installation program, video information in AVI format.</td>
</tr>
<tr>
<td>Examples</td>
<td>Application examples for netANALYZER Scope and two programming examples for the programming interface (API) for the analyzer card NANL-C500-RE and the analyzer device NANL-B500G-RE.</td>
</tr>
<tr>
<td>fscommand</td>
<td>Help files for the installation program.</td>
</tr>
<tr>
<td>NANL-B500G-RE firmware update</td>
<td>nanl-b500g-re.update</td>
</tr>
<tr>
<td>Setup</td>
<td>Installer which installs the individual subcomponents (<em>setup.exe</em>)</td>
</tr>
</tbody>
</table>

*Table 2: Directory structure of the netANALYZER Scope DVD*
### 1.2.2 Firmware, driver and software versions

<table>
<thead>
<tr>
<th>Name</th>
<th>File name</th>
<th>Version</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hilscher netANALYZER Scope setup</td>
<td>Hilscher.netAnalyzer.Scope.msi</td>
<td>2.5.x.x</td>
<td>Setup</td>
</tr>
<tr>
<td>netANALYZER / netSCOPE Device Driver (device driver) 32-Bit</td>
<td>netANALYZER - netSCOPE Driver x86.msi</td>
<td>1.6.x.x</td>
<td></td>
</tr>
<tr>
<td>netANALYZER / netSCOPE Device Driver (device driver) 64-Bit</td>
<td>netANALYZER - netSCOPE Driver x64.msi</td>
<td>1.6.x.x</td>
<td></td>
</tr>
<tr>
<td>Ethernet Device Configuration Tool</td>
<td>EnDevConfigTool.msi</td>
<td>1.9.x.x</td>
<td></td>
</tr>
<tr>
<td>Licences Manager</td>
<td>LicenseManager.msi</td>
<td>1.2.x.x</td>
<td></td>
</tr>
<tr>
<td>Remote Access client (only for analyzer device NANL-B500G-RE)</td>
<td>netANALYZER Remote Access Windows Client.exe</td>
<td>1.8.x.x</td>
<td></td>
</tr>
<tr>
<td>WinPcap driver</td>
<td>WinPcap-4.1.3-5-for-netANALYZER.exe</td>
<td>4.1.3-5</td>
<td></td>
</tr>
<tr>
<td>Hilscher netANALYZER setup</td>
<td>netAnalyzer.msi</td>
<td>1.0501.x.x</td>
<td></td>
</tr>
<tr>
<td>NANL-B500G-RE firmware update</td>
<td>nanl-b500g-re.update</td>
<td>1.5.x.x</td>
<td>NANL-B500G-RE firmware update</td>
</tr>
</tbody>
</table>

**Table 3: Installation files for software, drivers on the DVD**

<table>
<thead>
<tr>
<th>Name</th>
<th>File name</th>
<th>Version</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>netANALYZER Scope software</td>
<td>Hilscher.netAnalyzer.ProcesScope.exe</td>
<td>2.5.x.x</td>
<td>C:\Programs\Hilscher GmbH\netANALYZER Scope 2</td>
</tr>
<tr>
<td>netANALYZER firmware</td>
<td>NANL-500.nxf</td>
<td>1.6.x.x</td>
<td>C:\Programs\netANALYZER Device Driver</td>
</tr>
<tr>
<td>netANALYZER / netSCOPE Device Driver</td>
<td>NSCP-100.nxf</td>
<td>1.6.x.x</td>
<td></td>
</tr>
<tr>
<td>netANALYZER toolkit</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Table 4: Installed files (software application, firmware, driver, toolkit)**
1.2.3 Documentation

The following overview gives information on the documentation provided on the netANALYZER Scope DVD.

<table>
<thead>
<tr>
<th>Manual</th>
<th>Content</th>
<th>File name</th>
<th>DocumentID</th>
</tr>
</thead>
<tbody>
<tr>
<td>User manual, netANALYZER devices</td>
<td>Installation, operation and hardware description</td>
<td>netANALYZER UM XX EN.pdf</td>
<td>DOC091110UMXXEN</td>
</tr>
<tr>
<td>User manual, netANALYZER Scope licensing</td>
<td>Overview</td>
<td>netANALYZER Scope licensing UM XX EN.pdf</td>
<td>DOC091110UMXXEN</td>
</tr>
<tr>
<td>Installation guide, Software installation for netANALYZER devices (this document)</td>
<td>Installing driver and analyzer software</td>
<td>netANALYZER software installation IG 01 EN.pdf</td>
<td>DOC150201IGXXEN</td>
</tr>
<tr>
<td>Driver Manual, netANALYZER API, Windows XP/Vista/7/8, V1.x</td>
<td>Description of the netANALYZER API</td>
<td>netANALYZER API Windows DRV XX EN.pdf</td>
<td>DOC091113DRVXXEN</td>
</tr>
<tr>
<td>User manual, Ethernet Device Configuration</td>
<td>Addresssetting for Ethernet capable Hilscher devices</td>
<td>Ethernet Device Configuration OI XX EN.pdf</td>
<td>DOC050402IOXXEN</td>
</tr>
<tr>
<td>Operating instructions manual, netANALYZERScope</td>
<td>Data acquisition and analysis, V2.5</td>
<td>netANALYZER Scope OI XX EN.pdf</td>
<td>DOC131002IOXXEN</td>
</tr>
<tr>
<td>Operating Instruction Manual, Hilscher License Manager</td>
<td>Description for software licensing, V1.x.x.x</td>
<td>License manager OI XX EN.pdf</td>
<td>DOC131201IOXXEN</td>
</tr>
<tr>
<td>Revision list What's new netANALYZER Scope</td>
<td>netANALYZER Scope DVD</td>
<td>What's new netANALYZER Scope DVD RL XX EN.pdf</td>
<td>DOC150202RLXXEN</td>
</tr>
<tr>
<td>Operating Instruction Manual netANALYZER Software</td>
<td>Data acquisition and analysis</td>
<td>netANALYZER Software OI XX EN.pdf</td>
<td>DOC150304IOXXEN</td>
</tr>
</tbody>
</table>

Table 5: Documentations on the netANALYZER Scope DVD

These documentations can be found on the netANALYZER Scope DVD under the Documentation directory in the Adobe Acrobat® Reader format (PDF).

Note:

1.2.4 What's new netANALYZER and netANALYZER Scope

All current version information for hardware and software described in this manual are provided in the folder \Documentation\ What's New netANALYZER DVD RL XX EN.pdf on the netANALYZER DVD.

All current version information for the netANALYZER Scope software are provided in the folder \Documentation\ What's New netANALYZER Scope DVD RL XX EN.pdf on the netANALYZER Scope DVD.
1.3 Legal notes

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- Medical devices used for life support and
- Vehicle control systems used in passenger transport

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- In flight safety systems, aviation and flight telecommunications systems;
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All other mentioned trademarks are property of their respective legal owners.
2 Requirements

In order to download the product DVD, you need an Internet access.

2.1 Software requirements

1. Software requirements for netANALYZER devices

- The netANALYZER Scope software V 2.5.x.x must be installed. This includes the analyzer driver and the analyzer firmware "Ethernet Analyzer".
- In order to display the recorded data contents, a network monitoring program must be installed which supports the WinPcap format, such as Wireshark.
- The WinPcap driver included on the netANLYZER Scope DVD must be installed and must not be overwritten. Otherwise, your netANALYZER device is not available as a recording device in the network monitoring program installed on your PC.

Only for analyzer device NANL-B500G-RE:

- The Remote Access Client must be installed.
- The Ethernet Device Configuration program must be installed.

The system requirements for the analysis software netANALYZER are contained in the operating instruction manual netANALYZER software.

2. Requirements for netANALYZER Scope

Operating system:

- Windows® 7, (32-bit und 64-bit version)
- Windows® 8, (32-bit und 64-bit version)
- Windows® 10, (32-bit und 64-bit version)

Additional software requirements

- Microsoft .NET Framework 4.6
- Microsoft Visual C++ 2008 Redistributable Package
- Microsoft Visual C++ 2010 Redistributable Package
- Microsoft Visual C++ 2015 Redistributable Package
- Microsoft DirectX 9.0c
- netANALYZER Driver

These additionally required software components are included within the setup of netANALYZER Scope and are automatically installed, if necessary.
2.2 Commissioning requirements

- System requirements: PC or notebook with Intel compatible CPU ≥ 2 GHz, ≥ 1 GB RAM, ≥ 2 GB HDD free, free PCI V2.3/33 MHz slot or Gigabit Ethernet 1000BASE-T RJ45 connector
- Operating system: See section Software requirements [page 13]
- Monitor resolution: ≥ SVGA 1024 x 768, 16-bit color depth
- Analyzer PC card NANL-C500-RE or analyzer device NANL-B500G-RE available
- netANALYZER Scope license activated in recording hardware (otherwise only evaluation mode available)
- netANALYZER Scope software installed (or possibly netANALYZER software)

2.3 Installation notes

- After some installation steps, e.g. after the installation of the .NET Framework, a restart of the PC may be required, before the other software components can be installed.
- If necessary, an Internet connection is required during installation if some of the required Windows components are not yet available.
3  Getting started

3.1  Overview Software installation

<table>
<thead>
<tr>
<th>No</th>
<th>Step</th>
<th>Description</th>
<th>Chapter / Section / Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Software installation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1</td>
<td>Requirements</td>
<td>Observe the requirements</td>
<td>Requirements [\ page 13]</td>
</tr>
<tr>
<td>1.2</td>
<td>Installation notes</td>
<td>After some installation steps, e.g., after the installation of the .NET Framework, a restart of the PC may be required, before the other software components can be installed. If necessary, an Internet connection is required during installation if some of the required Windows components are not yet available.</td>
<td>Installation notes [\ page 14]</td>
</tr>
<tr>
<td>1.3</td>
<td>Download and unzip DVD. Open autostart menu.</td>
<td>- Download the netANALYZER Scope-DVD as ZIP file to the local hard disk of your PC. - Unzip the ZIP file. - Double-click the *.exe file in the root directory of the DVD to open the Autostart menu.</td>
<td>First-Time Installation [\ page 18]</td>
</tr>
<tr>
<td>1.4</td>
<td>Autostart menu</td>
<td>- Select Install Scope Software in the startup menu.</td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td>Select settings for components</td>
<td>- For the components netANALYZER / netScope device driver and for the netANALYZER Scope software to be installed select Install in the installation dialog. Possibly select the netANALYZER component (stands for netANALYZER software). Note! For the analyzer device NANL-B500G-RE the netANALYZER Remote Access Windows Client and the program Ethernet Device Configuration must be installed. Weiterhin benötigen Sie für die Lizenzanfrage für die Lizenzierung Ihrer netANALYZER Scope-Software das Programm Hilscher License Manager. Note: Make sure to install the WinPcap driver provided on the DVD, to allow to use your netANALYZER device with a network monitoring program (e.g., Wireshark).</td>
<td></td>
</tr>
<tr>
<td>1.6</td>
<td>Accept license agreement</td>
<td>- Check I accept the terms in the License agreement.</td>
<td></td>
</tr>
<tr>
<td>1.7</td>
<td>Perform installation</td>
<td>- Click Apply.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Answer query with OK and close all applications.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Answer Windows safety query by Yes.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- The installation runs.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Click Finish.</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Hardware installation</td>
<td></td>
<td>User manual netANALYZER devices</td>
</tr>
</tbody>
</table>

Table 6: Overview Installation netANALYZER Scope software, or netANALYZER software
## 3.2 Overview software installation update

<table>
<thead>
<tr>
<th>No</th>
<th>Step</th>
<th>Description</th>
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|    | 1. Update driver and software | - Download the netANALYZER Scope-DVD as ZIP file to the local hard disk of your PC.  
- Unzip the ZIP file.  
- Double-click the *.exe file in the root directory of the DVD to open the Autostart menu. | Update installation [†] page 24 |
| 1.1 | Download and unzip DVD. Open autostart menu. | - Select **Install Scope Software** in the startup menu. |
| 1.2 | Autostart menu | - Select **Update** in the installation dialog for the components to be updated.  
**Note!** For the analyzer device NANL-B500G-RE the netANALYZER Remote Access Windows Client and the program Ethernet Device Configuration must be installed. |
| 1.3 | Select settings for components | - Check **I accept the terms in the License agreement**. |
| 1.4 | Accept license agreement | - Click **Apply**.  
- Answer query with **OK** and close all applications.  
- Answer Windows safety query by **Yes**.  
- The update is performed.  
- Click **Finish**. |

Table 7: Overview software and driver
4 Installation netANALYZER Scope

4.1 Auto boot menu

For the software installation for your netANALYZER device the netANALYZER Scope DVD contains the netANALYZER / netScope Device Driver, the netANALYZER Scope software, documentation and programming examples.

Auto boot menu of the netANALYZER Scope DVD

In the auto boot menu you can select:

![Auto boot menu of the product DVD](image)

**Driver and software**

If you select in the auto boot menu *Install Scope Software*, in the next dialog you can select which of the following software components you want to install:

- Ethernet Device Configuration Tool,
- License manger,
- netANALYZER / netSCOPE Device Driver,
- netANALYZER Remote Access Window client,
- WinPCAP,
- netANALYZER.

The netANALYZER Scope x 64 component is installed by default.

**Documentation and examples**

Via the auto boot menu you can access the storage directories with the documentation or the sample projects on the DVD.
4.2 First-Time Installation

This section describes how to install the software and the driver for netANALYZER Scope when netANALYZER Scope is not already installed on your PC.

Installation notes

Note:
- After some installation steps, e.g. after the installation of the .NET Framework, a restart of the PC may be required, before the other software components can be installed.
- If necessary, an Internet connection is required during installation if some of the required Windows components are not yet available.

Step 1: Downloading the netANALYZER Scope DVD
- Download the netANALYZER Scope DVD as a ZIP file from the website http://www.hilscher.com (under Products, directly with the information on your product) to the local hard disk of your PC.
- Unzip the zip file.

Step 2: Starting boot start menu and installation dialog
- Close all programs!
- Double-click in the root directory of the DVD to the file netANALYZER scope-2.exe, to open the autostart menu.
- The start screen of the auto boot menu is displayed with the following options:

![Auto boot menu of the product DVD](image)

- Select **Install Scope Software**.
The **netANALYZER Scope** installation dialog appears.

![Installation dialog netANALYZER Scope - first-time installation](image)

For each installation component, the version available on the DVD is indicated.

For those components not yet installed on the PC **Install** appears. For the analysis software **netANALYZER**, you must manually select whether to install it.

### Step 3: Selecting settings for components

**Note:**
For the analyzer device NANL-B500G-RE the **netANALYZER Remote Access Windows client** and the program **Ethernet Device Configuration** must be installed.

**Important:**
Make sure to install the WinPcap driver provided on the DVD, to allow to use your netANALYZER device with a network monitoring program (e.g., Wireshark).

In the installation dialog for each component (package/feature)
- Ethernet Device Configuration Tool,
- License manager,
- netANALYZER / netSCOPE Device Driver,
- netANALYZER Remote Access Window client,
- WinPCAP,
- netANALYZER (default setting “No change”),

you must specify if you want to install the component for the first time on your PC. You can choose **No change** or **Install**.
The netANALYZER Scope x 64 component is installed by default. This can not be deselected.

The netANALYZER software is no longer maintained and is not installed by default. If you are used to work with this software, you can choose Install. For more information, see the section Which software for which purpose? [→ page 3].

- Choose No change if you do not want to install a component.
- Select Install if you want to install a component.

Step 4: Completing license agreement

- Accept terms of agreement: You must check I accept the terms of the License Agreement.

Figure 4: Installation dialog netANALYZER Scope - Accepting license agreement

- Via the hyperlink License Agreement you can view the Hilscher software license agreement.
Step 5: Performing installation

- Start with **Apply** the installation of the selected components (packages / features).
- The netANALYZER Scope query, **Please close all other applications!** appears.

![Figure 5: netANALYZER Scope query, 'Please close all other applications!']()

- Close all other applications and click **OK**.
- The Windows safety query **User Account Control: Do you want to allow the following program to make changes to this computer?** appears.
- Click **Yes**.

**Note:**
If you have already installed a version of the WinPcap driver on your PC, a query (with some subsequent dialogs) appears, whether you want to overwrite the version. Override your previous installation and install the WinPcap driver included on the netANALYZER Scope DVD. When installing a network monitoring program (such as Wirekshark), make sure that you do not overwrite the WinPcap driver, otherwise the netANALYZER device will no longer be available as a recording device on your PC.
Figure 6: The entry "netANALYZER_ ..." appears only if the WinPcap driver from the netANALYZER Scope DVD is installed.

- Your selected components are installed.
The installation is complete.

Click Finish.
4.3 Update installation

This section describes how to update the installation for netANALYZER Scope components that are installed in a previous version on your PC or how to install single components later.

Step 1: Downloading the netANALYZER Scope DVD
- Download the netANALYZER Scope DVD as a ZIP file from the website http://www.hilscher.com (under Products, directly with the information on your product) to the local hard disk of your PC.
- Unzip the zip file.

Step 2: Starting boot start menu and installation dialog
- Close all programs!
- Double-click in the root directory of the DVD to the file netANALYZER scope-2.exe, to open the autostart menu.
- The start screen of the auto boot menu is displayed with the following options:

![Auto boot menu of the product DVD](image)

- Select Install Scope Software.
- The netANALYZER Scope installation dialog appears.
For each installation component, the version available on the DVD is indicated.

For components that are installed in the current version on the PC, **No change** appears and in green text the version is indicated.

For components installed in a previous version on your PC **Update** appears and in red text is indicated which version is installed on the PC.

For those components not yet installed on the PC **Install** appears.
Step 3: Selecting settings for components

Note:
For the analyzer device NANL- B500G-RE the netANALYZER Remote Access Windows client and the program Ethernet Device Configuration must be installed.

In the installation dialog for each component (package/feature)
- Ethernet Device Configuration Tool,
- License manger,
- netANALYZER / netSCOPE Device Driver,
- netANALYZER Remote Access Window client,
- WinPCAP,
- netANALYZER (default setting “No change”),

you must specify whether you want to make any change in the installation or if you want to uninstall software components (or update if necessary). You can select No change or Uninstall (and optionally Update).

OR for components not yet installed, you can select No change or Install.

On a PC with 64-bit architecture, an existing version of netANALYZER Scope x86 is uninstalled by default, and the netANALYZER Scope x 64 component is installed by default.
- Select No change if you do not want to install, update or uninstall a component.
- Select Uninstall if you want to uninstall a component. For more information, see the section Uninstalling [page 29].
- If necessary, select Update if you want to update a component.
- Select Install if you want to install a component for the first time.
Step 4: Completing license agreement

- Accept terms of agreement: You must check **I accept the terms of the License Agreement.**

![Figure 11: Installation dialog netANALYZER Scope - Accepting license agreement](image)

- Via the hyperlink [License Agreement](#) you can view the Hilscher software license agreement.
Step 4: Performing the installation or update

- Start with **Apply** the installation or update of the selected components (packages/features).
- The netANALYZER Scope query, *Please close all other applications!* appears.

![Figure 12: netANALYZER Scope query, 'Please close all other applications!' appears.](image)

- Close all other applications.
- The Windows safety query **User Account Control: Do you want to allow the following program to make changes to this computer?** appears.
- Click Yes.
- Your selected components are installed/updated.
- The installation/update is complete.

![Figure 13: Installation dialog netANALYZER Scope - Installation/update of the selected components completed](image)

- Click **Finish**.
4.4 Uninstalling

This section describes how to permanently remove the netANALYZER Scope software and the driver from your PC.

**Note:**
If you want to upgrade your netANALYZER Scope software or the driver, follow the steps as described in the section *Update installation* [page 24].

**Step 1: Downloading the netANALYZER Scope DVD**
- Download the netANALYZER Scope DVD as a ZIP file from the website [http://www.hilscher.com](http://www.hilscher.com) (under *Products*, directly with the information on your product) to the local hard disk of your PC.
- Unzip the zip file.

**Step 2: Starting boot start menu and installation dialog**
- Close all programs!
- Double-click in the root directory of the DVD to the file `netANALYZER scope-2.exe`, to open the autostart menu.
- The start screen of the auto boot menu is displayed with the following options:

![Auto boot menu of the product DVD](Figure 14: Auto boot menu of the product DVD)

- Select **Install Scope Software**.
- The **netANALYZER Scope** installation dialog appears.
For each installation component, the version available on the DVD and optionally the version installed on the PC is indicated.

**Step 3: Selecting settings for components**

In the installation dialog for each component (package/feature)
- Ethernet Device Configuration Tool,
- License manager,
- netANALYZER / netSCOPE Device Driver,
- netANALYZER Remote Access Window client,
- netANALYZER (default setting “No change”),
- netANALYZER,
- netANALYZER Scope x 64

that you completely want to remove from your PC, you must specify if you want to uninstall this component. You can select **No change** or **Uninstall** (and optionally **Update not shown in picture**).

- Select **No change** if you do not want to update or uninstall a component.
- Select **Uninstall** if you want to uninstall a component.

You can uninstall the WinPcap driver only via the Windows Control Panel ([Start > Control Panel > Uninstalling Programs](#)).
Step 4: Completing license agreement

- Accept terms of agreement: You must check **I accept the terms of the License Agreement.**

![Installation dialog netANALYZER Scope - Accepting license agreement](image16.png)

- Via the hyperlink **License Agreement** you can view the Hilscher software license agreement.

Step 5: Uninstalling

- Start with **Apply** the uninstallation of the selected components (packages/features).

  The netANALYZER Scope query, **Please close all other applications!** appears.

![netANALYZER Scope query, 'Please close all other applications!' appears.](image17.png)

- Close all other applications.

  The Windows safety query **User Account Control: Do you want to allow the following program to make changes to this computer?** appears.

- Click **Yes**.

  The selected components are removed from your PC.
The uninstallation is complete.

Click Finish.
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## Glossary

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<td><strong>NANL-C500-RE</strong></td>
<td>netANALYZER PC card with PCI interface for real-time Ethernet and all 100BASE-T Ethernet networks</td>
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<td><strong>netANALYZER</strong></td>
<td>system for recording and analyzing data traffic in Ethernet networks which has been developed and is manufactured by Hilscher, consisting of a special hardware (netANALYZER card or portable device) and software</td>
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<td>Intelligent high level analysis software for recording and analyzing EtherCAT and PROFINET networks together with the netANALYZER hardware (card or portable device)</td>
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