



Operating instruction manual
Hilscher License Manager
Description of software licensing
V1.0200.x.x

Hilscher Gesellschaft für Systemautomation mbH
www.hilscher.com

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1 Introduction

1.1 About this document

This manual provides descriptions about the **Hilscher License Manager** program.

By use of the licensing software **Hilscher License Manager**, you can check whether and which licenses are available on your device. Required licenses, you need to order at the Hilscher customer center or sales department. For licensing, you need to provide a license request by e-mail, fax or phone using the **Hilscher License Manager**. Via a link in the reply e-mail you then can download the license from the server and to activate the license you need to transfer the license file to your device.



Important:

Before the actual licensing process with the steps

- license request by e-mail, fax or phone,
- download the license from the server and
- Transmission of the license to the device (activation), you must order the license chargeable at the Hilscher customer center or sales department using the part number.

1.1.1 Online help

The **Hilscher License Manager** contains an integrated online help facility.

- To open the online help, click on **Help** or press **F1**.

1.1.2 List of revisions

Index	Date	Version	Component	Revisions
1	14-04-08	V1.0.x.x	Hilscher.LicenseManager	All sections created.
2	15-03-09	V1.0.x.x	Hilscher.LicenseManager	Descriptions to the license request for the upgrade for the "PROFINET IO event detection" added. Revision concerning the separation of the steps 1. Ordering the license at the customer center (commercial management) and 2. Software licensing (license request, downloaded from the server and activating in the device).
3	17-02-23	V1.0200.x.x	Hilscher.LicenseManager	Product DVD as ZIP file from the website www.hilscher.com : Section <i>Install Hilscher License Manager</i> [▶ page 10]. Update of the description of the windows license status and license type: New selection "Feature", especially in the sections <i>Overview</i> [▶ page 11], <i>Verifying license status and license type</i> [▶ page 13] respectively <i>Selecting licenses for order</i> [▶ page 15]. Section <i>Legal notes</i> [▶ page 5] updated. Section <i>Requirements</i> [▶ page 9] updated (Internet, to download product DVD).

Table 1: List of revisions

1.1.3 Conventions in this manual

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

Notes



Important:

<important note you must follow to avoid malfunction>



Note:

<general note>



<note where to find further information>

Instructions

1. Operation purpose
2. Operation purpose
 - Instruction

Results

- ↻ Intermediate result
- ⇒ Final result

1.1.4 Positions in figure

In this manual, the *positions* ① to ⑳ refer to the **Hilscher License Manager** window, as shown in the figure *Hilscher License Manager* in the section *Overview* [▶ page 11].

The *positions* ㉑ to ㉓ refer to the figure *E-Mail License request (example)* in the section *by E-Mail* [▶ page 21] or on the figure *Form netX License Order Form (example)* in the section *By fax or phone* [▶ page 22].

1.2 Legal notes

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- Flight control systems in aviation and aerospace;
- Nuclear fusion processes in nuclear power plants;
- Medical devices used for life support and
- Vehicle control systems used in passenger transport

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- For designing, engineering, maintaining or operating nuclear systems;
- In flight safety systems, aviation and flight telecommunications systems;
- In life-support systems;
- In systems in which any malfunction in the hardware and/or software may result in physical injuries or fatalities.

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The warranty obligation for equipment (hardware) we produce is 36 months, calculated as of the date of delivery ex works. The aforementioned provisions shall not apply if longer warranty periods are mandatory by law pursuant to Section 438 (1.2) BGB, Section 479 (1) BGB and Section 634a (1) BGB [Bürgerliches Gesetzbuch; German Civil Code] If, despite of all due care taken, the delivered product should have a defect, which already

existed at the time of the transfer of risk, it shall be at our discretion to either repair the product or to deliver a replacement product, subject to timely notification of defect.

The warranty obligation shall not apply if the notification of defect is not asserted promptly, if the purchaser or third party has tampered with the products, if the defect is the result of natural wear, was caused by unfavorable operating conditions or is due to violations against our operating regulations or against rules of good electrical engineering practice, or if our request to return the defective object is not promptly complied with.

Costs of support, maintenance, customization and product care

Please be advised that any subsequent improvement shall only be free of charge if a defect is found. Any form of technical support, maintenance and customization is not a warranty service, but instead shall be charged extra.

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1.3 Registered trademarks

Windows® XP, Windows® Vista, Windows® 7, Windows® 8 and Windows® 8.1 are registered trade marks of the Microsoft Corporation.

All other mentioned trademarks are property of their respective legal owners.

1.4 Requirements

The following system requirements and software requirements apply to the **Hilscher License Manager** program:

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

System requirements

- Free disk space: approx. 3.5 MByte
- RAM: min. 512 MByte, recommended 1024 MByte
- Graphic resolution: min. 1024 x 768 pixel
- Keyboard and Mouse

Restrictions: Touch screen is not supported.

Software requirements

Operating system:

- Microsoft Windows® XP with Service Pack 3
- Microsoft Windows® Vista with Service Pack 2
- Microsoft Windows® 7
- Microsoft Windows® 8 and Microsoft Windows® 8.1

Additional software requirements:

- Microsoft .NET Framework 4.0 (*dotNetFx40_Full_x86_x64.exe*)
- Administrator privilege required for installation
- The driver for your device must be installed.

1.5 Install Hilscher License Manager

The setup for the **Hilscher License Manager** program is provided on the product DVD with the software and the documentation for your device. The product DVD as a ZIP file, you can download from the website www.hilscher.com (under **Products** directly with information about your product) .

For installation, follow these basic steps:

- Download the product DVD as ZIP file to the local hard drive of your PC .
- Unzip the zip file.
- Double click the *.exe file in the root directory of the DVD.
- In the autostart menu select **Install Software**.
- In the installation dialog for the **Hilscher License Manager** program select **Install**.
- Check **I accept the terms in the License agreement..**
- Click **Apply**.
- Alle Applikationen schließen und Abfrage mit **OK** beantworten.
- Answer Windows safety query by **Yes**.
- The installation runs.
- Click **Finish**.



For a detailed description on how to install the **Hilscher License Manager** program, refer to the installation instructions **Software installation** for your device.

2 Hilscher License Manager

2.1 Overview

➤ Open the **Hilscher License Manager** via **Start**.

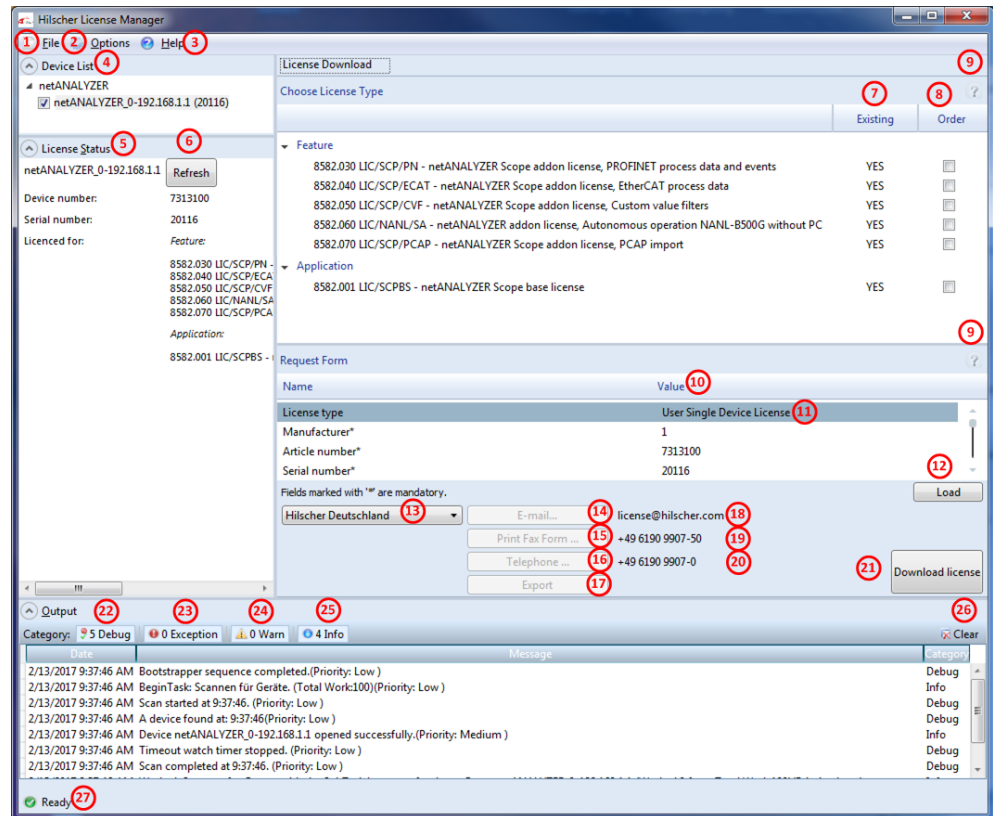


Figure 1: Hilscher License Manager (example)

In the **Hilscher License Manager** program you can:

- ① Exit the **Hilscher License Manager** program,
- ② change the user interface language,
- ③, ⑨ access Help and Info,
- ④ select your device,
- ⑤, ⑥ read the license status or manually read it from the device,
- ⑦ verify, which licenses are present in the device,
- ⑧ to ⑳ set license request by e-mail, fax or phone,
- ㉑ transfer license to the device,
- ㉒ to ㉖ display, filter or delete messages,
- ㉗ read the status of the Hilscher license manager.

2.2 Which licenses are present in the device?

In the **Hilscher License Manager** window, you can select your device under **Device List** and, under **License Status** you can check for your device, which licenses are already available in your device.

To determine which licenses exist in the device and which one you need to order in addition,

1. First select the device and
2. then verify the license status and the license type.

2.2.1 Selecting the device

In the **Hilscher License Manager** window, you can select your device under **Device List**.

- Under **Device List** ④ select the device.

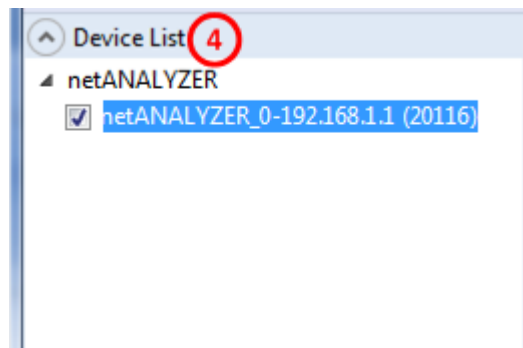


Figure 2: Device list (example)

- In the **Hilscher License Manager** window, all details under **License Status**, **Choose License Type** or **Request Form** will appear depending on the selected device (display of device-related data).

2.2.2 Verifying license status and license type

In the **Hilscher License Manager** window you can verify, which licenses are activated in the selected device.

License status

Under **License Status** ⁵ only those licenses are displayed which are existent in the selected device.

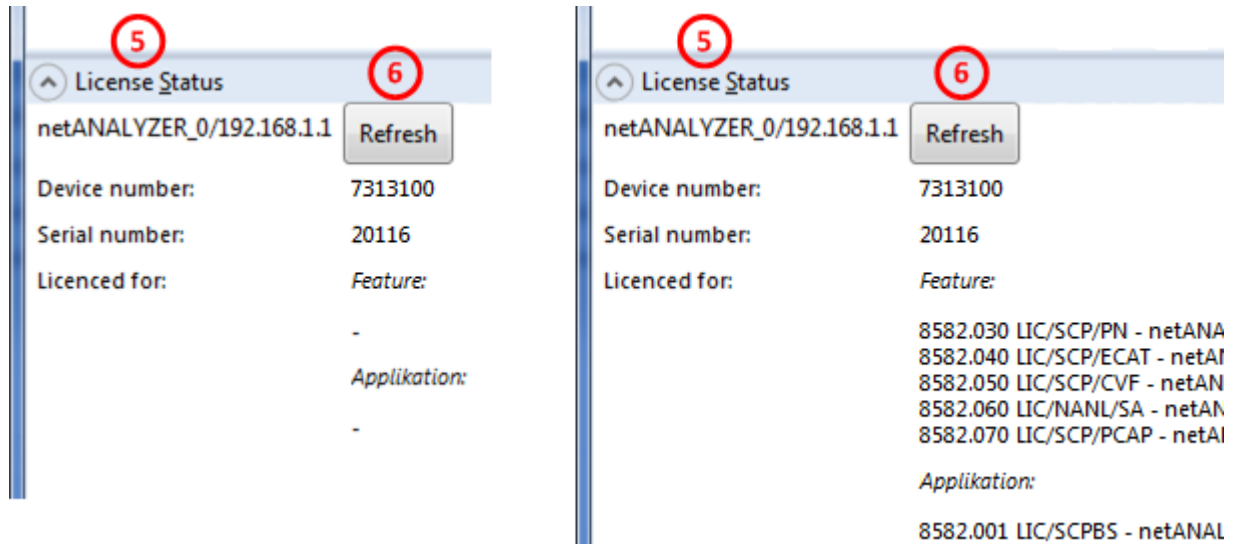


Figure 3: License Status (example, Left side - no license loaded, Right side - licenses loaded)

The following ordering data are read from the device and displayed under **License Status**:

- Name for the device
- Article number (Part number)
- Serial number
- Licenses for *Feature*
Under *Feature*, licenses for software extensions (add-ons) are displayed, or for additional hardware properties (e. g. for an additional operating mode).
- Licenses for *Applikation*
Under *Applikation* licenses for software applications are displayed.

Via **Refresh** ⁶ you can read out the license status data from the device newly.

License type

Under **Choose License Type > Existing** ⁷ you also can verify which licenses are existent in the device:

Choose License Type			⁷ Existing	⁸ Order
▼ Feature				
8582.030 LIC/SCP/PN - netANALYZER Scope addon license, PROFINET process data and events		YES	<input type="checkbox"/>	
8582.040 LIC/SCP/ECAT - netANALYZER Scope addon license, EtherCAT process data		YES	<input type="checkbox"/>	
8582.050 LIC/SCP/CVF - netANALYZER Scope addon license, Custom value filters		YES	<input type="checkbox"/>	
8582.060 LIC/NANL/SA - netANALYZER addon license, Autonomous operation NANL-B500G without PC		YES	<input type="checkbox"/>	
8582.070 LIC/SCP/PCAP - netANALYZER Scope addon license, PCAP import		NO	<input type="checkbox"/>	
▼ Application				
8582.001 LIC/SCPBS - netANALYZER Scope base license		YES	<input type="checkbox"/>	

Figure 4: Choose License Type (example, multiple licenses loaded)

The column **Existing** ⁷ indicates which licenses are present in the device.

Yes = License is present in the device.

No = License is not present in the device.

2.3 How do I request my license?

To request licenses, you need to send a license request. Proceed as follows:

1. Select the required licenses (refer to *Selecting license* [▶ page 15]).
2. Fill out the request form (refer to section *Fill out request form* [▶ page 17]).
3. Submit license request, (refer to section *Submitting license request* [▶ page 20]).



Note:

The software licenses for your device you need to acquire. When ordering a license you are liable to pay costs.

2.3.1 Selecting licenses for order

In the **Hilscher License Manager** window you can:

1. Select your device (under **Device List**) and check the license status (under **License Status** or under **License Download > Choose License Type**).
2. Selecting missing licenses for order.

Choose License Type		7 Existing	8 Order
▼ Feature			
8582.030 LIC/SCP/PN - netANALYZER Scope addon license, PROFINET process data and events	YES	<input type="checkbox"/>	
8582.040 LIC/SCP/ECAT - netANALYZER Scope addon license, EtherCAT process data	YES	<input type="checkbox"/>	
8582.050 LIC/SCP/CVF - netANALYZER Scope addon license, Custom value filters	YES	<input type="checkbox"/>	
8582.060 LIC/NANL/SA - netANALYZER addon license, Autonomous operation NANL-B500G without PC	YES	<input type="checkbox"/>	
8582.070 LIC/SCP/PCAP - netANALYZER Scope addon license, PCAP import	NO	<input type="checkbox"/>	
▼ Application			
8582.001 LIC/SCPBS - netANALYZER Scope base license	YES	<input type="checkbox"/>	

Figure 5: Choose License Type (example, several additional licenses and a license for application program loaded)

- If a license exists in your device, this is indicated in the column **Existent** 7 with **YES**.
- If an available license is missing in your device, this is indicated in the column **Existing** with **NO**.
- Under *Feature* you can select missing licensed for add-ons for ordering (to get additional software or hardware functionalities)
- and under *Application* you can select missing licenses for application programs.

How to proceed

- Under **License Status** or under **License Download > Choose License Type** verify the licenses available in your device.
- Under **Feature > Order** 8, verify which additional licenses (add-ons) you need.

- Under **Application** > **Order**, check the licenses you require for the application program.

Choose License Type		7	8
		Existing	Order
▼ Feature			
8582.030 LIC/SCP/PN - netANALYZER Scope addon license, PROFINET process data and events	YES	<input type="checkbox"/>	
8582.040 LIC/SCP/ECAT - netANALYZER Scope addon license, EtherCAT process data	YES	<input type="checkbox"/>	
8582.050 LIC/SCP/CVF - netANALYZER Scope addon license, Custom value filters	YES	<input type="checkbox"/>	
8582.060 LIC/NANL/SA - netANALYZER addon license, Autonomous operation NANL-B500G without PC	YES	<input type="checkbox"/>	
8582.070 LIC/SCP/PCAP - netANALYZER Scope addon license, PCAP import	NO	<input checked="" type="checkbox"/>	
▼ Application			
8582.001 LIC/SCPBS - netANALYZER Scope base license	YES	<input type="checkbox"/>	

Figure 6: Choose License Type (example, ordering additional license)



See also section *Selecting the device* [▶ page 12] and section *Verifying license status and license type* [▶ page 13].

2.3.2 Fill out request form

1. Device Information
The *Device information* required for the request are read out from the device and automatically filled into the order form.
2. License type and address data
 - Under **Request Form** you must enter the license type and the address data (refer to section *License type and address data* [▶ page 18]).

2.3.2.1 Data from the device

The following data are read from the device and displayed under **Request Form**:

- Manufacturer
- Article number (Part number)
- Serial number
- Chip type
- Step (chip revision)
- Romcode revision
- Checksum (checksum of the device data)

The fields in the column **Value** ¹⁰ which cannot be edited show the data read from the device:

Request Form ?	
Name	Value ¹⁰
Manufacturer*	1
Article number*	7313100
Serial number*	20116
Chiptype*	1
Step*	0
Romcode revision*	0
Checksum*	B

Figure 7: Request Form, please fill out / Device Data (example)

These data read from the device automatically appear in the request form for your license request.

2.3.2.2 License type and address data

For your license request you must enter the following data to the **Hilscher License Manager** pane:

1. License type

Request Form	
Name	Value 10
License type	User Single Device License 11
Manufacturer*	User Single Device License

Figure 8: Request form, please fill out / License type

- Select the license type under **Request Form** > **Value** **10**.
- #### 2. Mandatory fields in the request form (editable fields):
- Enter all mandatory fields under **Request Form** > **Value** **10** (in the figure marked with*).
 - First name
 - Surname
 - E Mail* (address, to which the license download link shall be send.)
 - Telephone
 - Company
 - Address
 - Country
 - City, State, Zip



Request Form	
Name	Value 10
First name*	John
Surname*	Doe
E-Mail*	user@doe.com
Telephone*	0011 223344-55
Fax	0011 223344-100
Customer number	123456789
Company*	Doe Example LTD
Address*	Chicago Street 3000
Country*	United States
City, State, Zip*	Detroit, MI 48777
Order number	987654321
Value added tax identification number	test

Fields marked with '*' are mandatory.

12 Load

Figure 9: Request form, please fill out / Mandatory data

- #### 3. Optional information in the request (editable fields):
- Under **Request Form**, please fill out > **Value** **10** enter all fields for the voluntary data.

- Fax
 - Customer Number
 - Order Number
 - Value added tax identification number
4. Load:
- Click **Load**  to download the license information data stored in an XML file. (The data must have been saved before via Export )

2.3.3 Submitting license request

**Note:**

You must acquire the software license for your device at the Hilscher customer center or sales department. When ordering a license you are liable to pay costs.

In the **Hilscher License Manager** window you must induce that your license request is sent. Therefore:

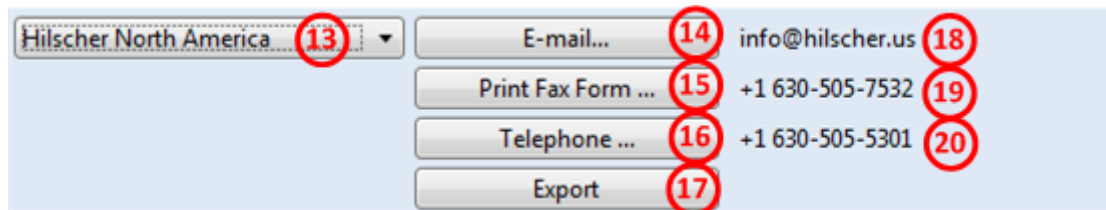


Figure 10: Selecting the subsidiary / forwarding license request / contacts

1. Select the *subsidiary* (13) to which your license request should be sent.
2. Sending the license request:
 - by **E-Mail** (14),
 - or by **fax** (15)
or **telephone** (16),
 - or in a **file** (17).

The **Contact Data** of the selected subsidiary are displayed under the positions (18), (19) and (20).

2.3.3.1 by E-Mail

You can submit your license request by e-mail.

➤ Click **E-mail...** ¹⁴.

⇒ The E-mail **License request** is opened:

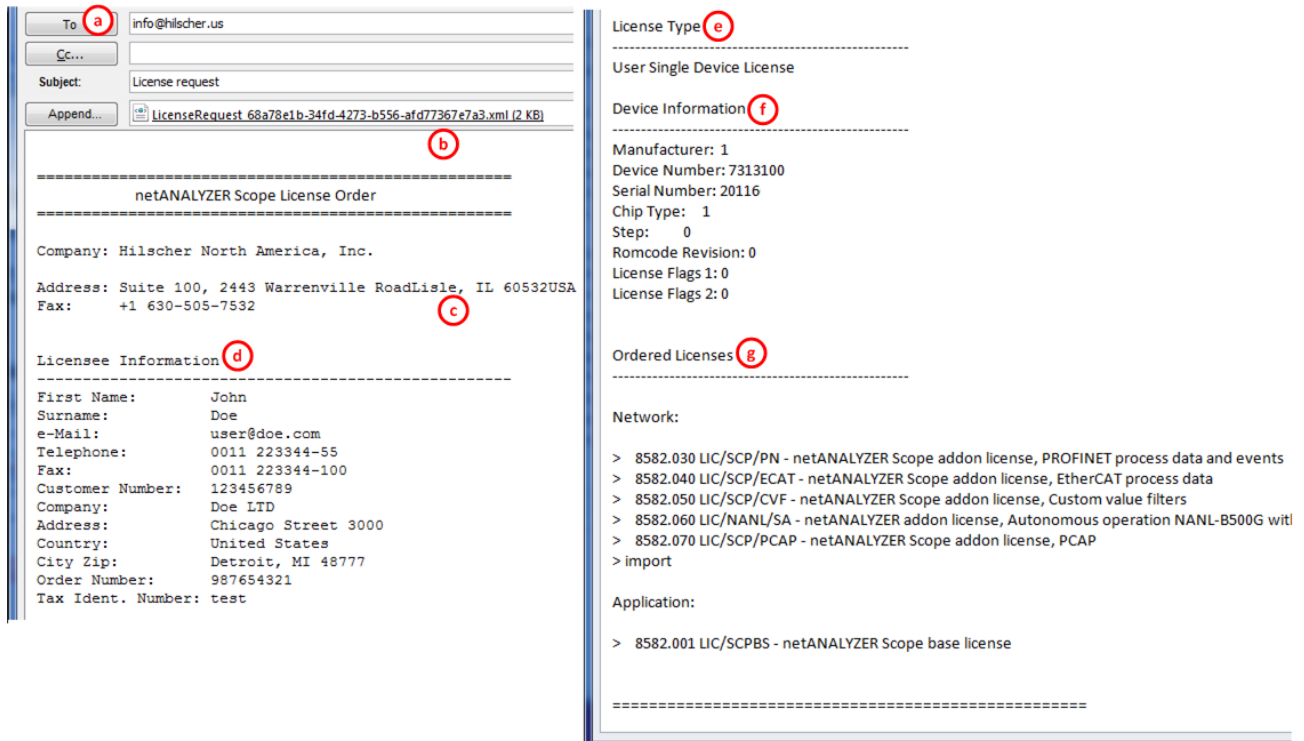


Figure 11: E-mail license request (example)

The e-mail **License request** contains:

- the **e-mail address** of the selected subsidiary of the licensor ^a,
 - The automatically generated **XML file** ^b with summary **data for the license request** (example: *LicenseRequest_37d8c065-90ba-4f0a-b631-1ffeda25f248.xml*)
 - the **address** of the selected subsidiary of the Licensor ^c,
 - the **data of the licensee** ^d,
 - the **License Type** ^e,
 - the **Device Data** ^f,
 - the data about the **requested licenses** ^g.
- Forwarding the e-mail **License request**.
- ⇒ The license request by e-mail is complete.

2.3.3.2 By fax or phone

You can submit your license request by fax or phone.

- Click **Print Fax Form** ¹⁵ or **Telephone...** ¹⁶.
- ⇒ The summary of the **data for the license request** is opened in a browser window.

netX License Order Form

Hilscher North America, Inc.
Suite 100, 2443 Warrenville Road

Lisle, IL 60532 ^c
USA
fax: +1 630-505-7532

Licensee Information ^d

<i>First Name:</i>	<i>John</i>
<i>Surname:</i>	<i>Doe</i>
<i>e-Mail:</i>	<i>user@doe.com</i>
<i>Telephone:</i>	<i>0011 223344-55</i>
<i>Fax:</i>	<i>0011 223344-100</i>
<i>Customer No:</i>	<i>123456789</i>
<i>Company:</i>	<i>Doe LTD</i>
<i>Address:</i>	<i>Chicago Street 3000</i>
<i>Country:</i>	<i>United States</i>
<i>City Zip:</i>	<i>Detroit, MI 48777</i>
<i>Order Number:</i>	<i>987654321</i>
<i>Tax Ident. Number:</i>	<i>test</i>

License Type ^e

User Single Device License

Device Information ^f

<i>Manufacturer:</i>	<i>1</i>
<i>Device Number:</i>	<i>7313100</i>
<i>Serial Number:</i>	<i>20116</i>
<i>Chip Type:</i>	<i>1</i>
<i>Step:</i>	<i>0</i>
<i>Romcode Revision:</i>	<i>0</i>
<i>License Flags 1:</i>	<i>0</i>
<i>License Flags 2:</i>	<i>0</i>

Ordered Licenses ^g

Network

- 8582.030 LIC/SCP/PN - netANALYZER Scope addon license, PROFINET process data a
- 8582.040 LIC/SCP/ECAT- netANALYZER Scope addon license, EtherCAT prcess data
- 8582.050 LIC/SCP/CVF- netANALYZER Scope addon license, Custom value filters
- 8582.060 LIC/NANL/SA - netANALYZER addon license, Autonomous operation NANL-B
- 8582.070 LIC/SCP/PCAP - netANALYZER Scope addon license, PCAP

Application

- 8582.001 LIC/SCPBS - netANANYZER Scope base license

Date: _____

Signature: _____

Figure 12: netX License Order Form (example)

**Note:**

If your browser does not display the data for the license request, check the safety settings of your system.

The form contains:

- the **address** of the selected subsidiary of the **Licensor** ^(c),
 - the **data of the licensee** ^(d),
 - the **License Type** ^(e),
 - the **Device information** ^(f),
 - the data about the **requested licenses** ^(g).
- Print the data form, sign it and send it by fax.
 - Use the Fax number ⁽¹⁹⁾, which is displayed after the subsidiary was selected in the **Hilscher License Manager** pane.

Or

- Keep ready the data form and communicate the order data via telephone.
 - Use the telephone number ⁽²⁰⁾, which is displayed after the subsidiary was selected in the **Hilscher License Manager** pane.
- ⇒ The license request by fax or phone is complete.

2.3.3.3 Via file export

If you are working on a process computer without e-mail client, you can export your data for the license request to a file, save the file to a removable disk and submit your license request manually via e-mail from a different PC.

- Click **Export License Request...** ⁽²⁰⁾.
 - The window **Browse For Folder** is displayed.
 - Choose for or create a new folder on a removable disk.
 - Save the automatically generated **XML file** (example: *[Name].xml*) with a summary info of the **request data** to this folder.
 - Send this file from a PC with an e-mail client manually via e-mail.
 - Therefore use an e-mail address, which is displayed after the subsidiary was selected in the **Hilscher License Manager** pane (see position ⁽¹⁴⁾ in figure *Selecting the subsidiary / forwarding license request / contact data* [▶ page 20]).
- ⇒ The license request by file export is complete.

2.4 How to get the license and transfer it to the device

**Note:**

License files can only be delivered via e-mail. The e-mail contains a link to download the license file.

On your license request, you will receive an e-mail with a **link to download the license file**. This link leads to a server PC on which the license file is provided. Using the received link you must save the license file on your PC and then transfer the license to your device. If your e-mail client is on another PC as the PC your device is connected to, you must save the license file for example, on a USB storage device.

**Note:**

The license is stored in the hardware. Your application must have access to the license information stored in your device in order you can use the full functional range of your licensed software.

How to proceed

1. Save the license file to a PC or a disk.
 - Click to the **Link to download the License File** in the e-mail.
 - Save the license file *.nxl to a PC or a removable disk.
2. Download the license file to the device.
 - Respectively connect the removable disk with the license file to the PC, which is connected to your device.
 - Click **Download License** ²¹ in the **Hischer License Manager** pane.
 - ⇒ The File selection window **Open** is displayed.
 - Therein select the license file *.nxl.

The name of the license file is as follows: *[current number]_[device number]_[serial number]_[acronym software application]_[acronym protocol1]_[acronym protocol2].nxl*

- Click **Open**.
- ⇒ The license file is transferred to the device.
- ⇒ After this the license is present in the device and is activated with the next device reset.
- To check whether the license has been activated, follow the steps in section *Which Licenses are present in the device?* [▶ page 12].

2.5 Options, help and info

2.5.1 User interface language

You can switch the user interface language from English (United States) to German (Germany).

- Therefore select under **Options > Language** the entry **Deutsch (Deutschland)**.

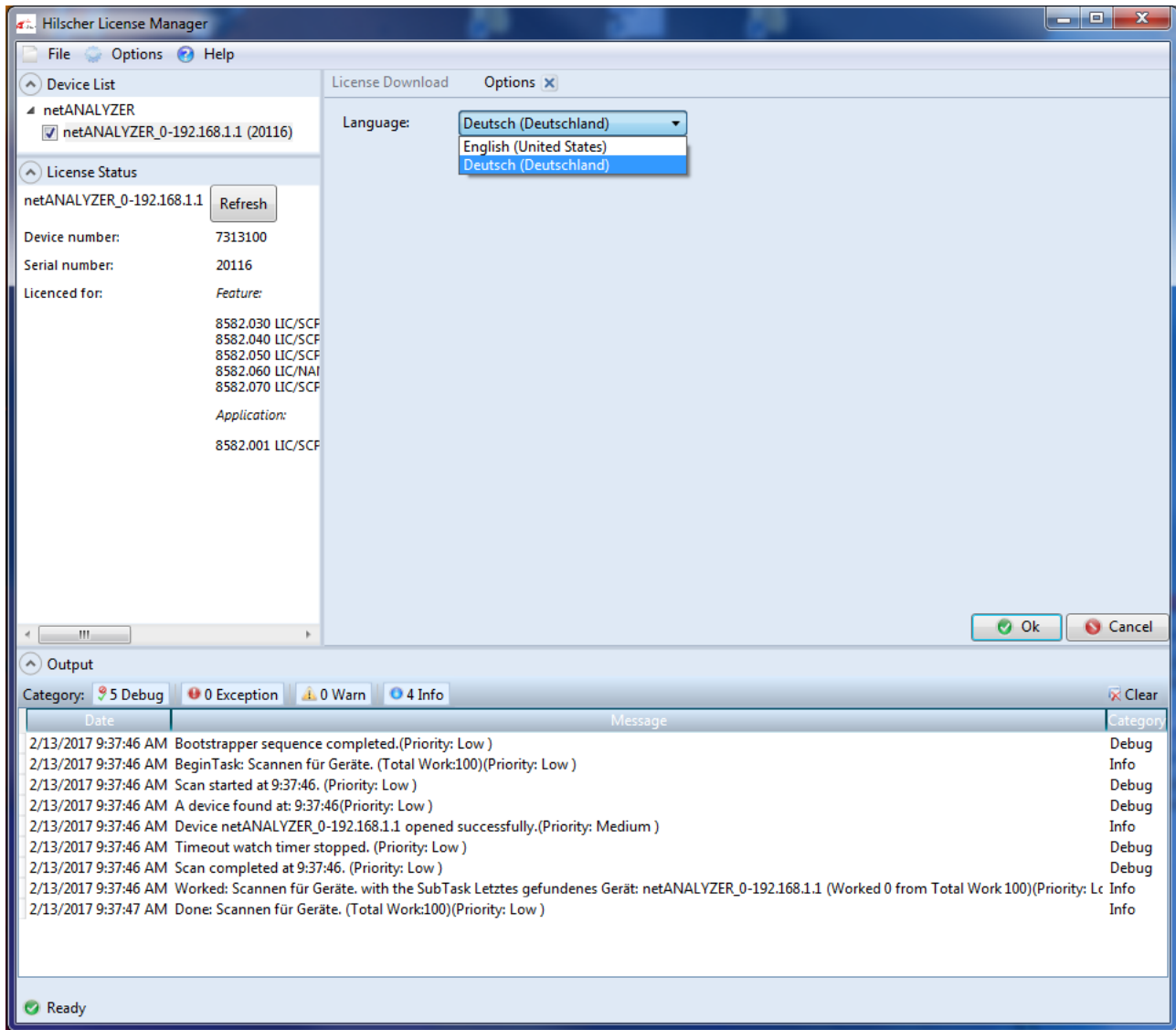


Figure 13: Hilscher License Manager > Options > Language

- Click **Ok**.
- ⇒ The user interface is displayed in the German language.



Note:

If not all elements of the user interface are displayed in the new language, close the **Hilscher License Manager** and re-open.

2.5.2 Help

The **Hilscher License Manager** program contains a built-in online help. To view the online help,

- click in the **Hilscher License Manager** window, click **Help > View Help** .
- ⇒ The online help is displayed.
- or press **F1**.
- ⇒ The online help for the page viewed appears.

2.5.3 About Hilscher License Manager

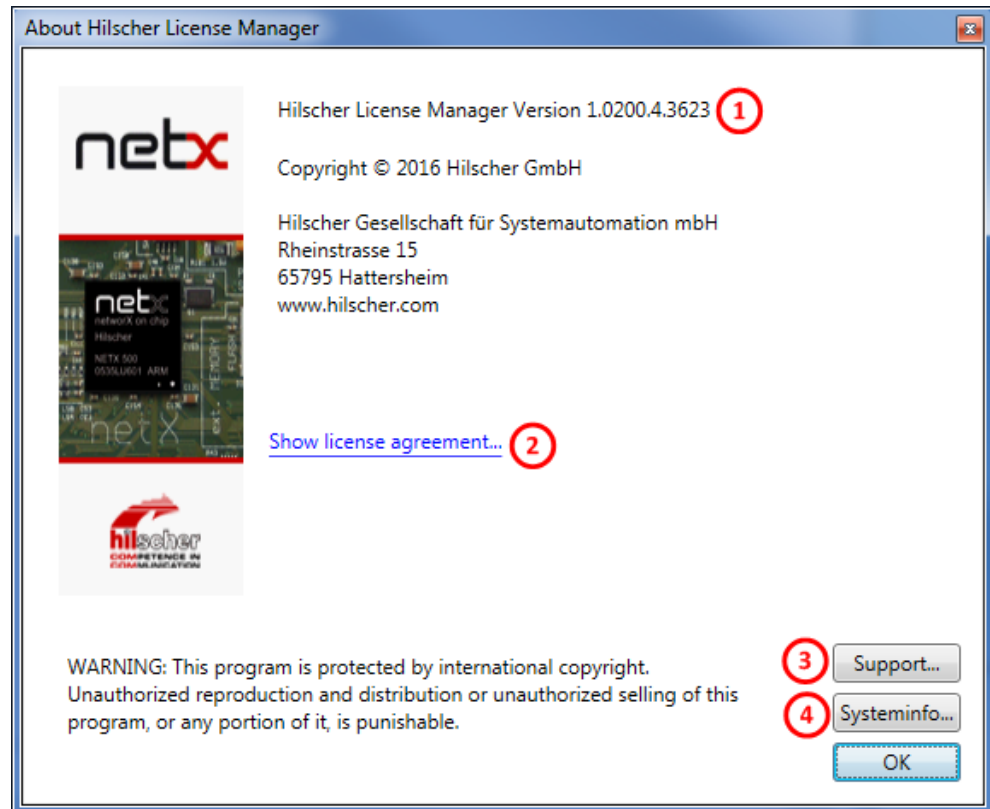


Figure 14: About Hilscher License Manager

In the dialog **About Hilscher License Manager** you find the **Hilscher License Manager Version** (1) and you can access to the following windows:

- **Hilscher License Manager License Agreement** (2)
- **Hilscher License Manager Support Information** (3)
- **System Information** (4)

In the system information (also known as *msinfo32.exe*) details appear about the hardware configuration of the computer, the computer components and the software, including drivers. For more information, refer to ? > **Help Topics** in the **System Information** window.

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