



ROHR2 SINETZ PROBAD

Installation EN

2026

SIGMA Ingenieurgesellschaft mbH

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Release 26.03

1 ROHR2 Installation Quick reference ROHR2 – SINETZ - PROBAD

Question	Answer	links
What is included in the software package?	Program data download) license key program documentation	see <i>this document</i> , 2 and <i>License information</i>
Where to find details about the program version?	Help Info function and system contract	†
What is the USB plug for?	Using the software requires an access to a license key (USB key plugged in or SL license). The installation of a network license requires a connection to the license manager.	Fehler! Verweisquelle konnte nicht gefunden werden., <i>this document</i>
Licensing without hardware keys (dongles) - is this available?	Yes, for network licenses	See license manual, chapter SL licenses
How to install the program?	Run <i>Setup.exe</i> To start the installation from the or download directory The license key is not required for the installation of the program	4
Single user license – how to install?	Run <i>setup.exe</i> and follow the steps of the installation process	4.1
Network license- how to install?	Run <i>setup.exe</i> and follow the steps of the installation process	4.2
Activation required?	Yes, it is required to activate the program during installation or at first program start. Get the activation code via internet or enter it manually. Activation requires a USB module or SL license key.	<i>R2SNPB_license.pdf</i>
How to get program updates?	New program versions/releases are delivered to registered users. Modifications and program enhancements between the program releases are downloaded from the internet by an integrated update function.	<i>R2SNPB_license.pdf</i> Manual ROHR2win Manual SINETZ Manual PROBAD
My rental license is expiring - how to unlock?	Unlock by actualization process	<i>R2SNPB_license.pdf</i>



At first time installation of a network license do not plug in to the server not before driver installation has been finished!

2 Scope of delivery

The program system ROHR2 includes

1. a license key: :USB dongle or Software license key, SL Key
2. the installation data available for download

2.1 Documentation, Manuals

The delivery includes a program documentation in English and German:
The program manuals are available in HTML format. or pdf format

3 License keys

ROHR2, SINETZ, PROBAD and additional programs are protected by a license key available as

- hardware license key (USB copy protection plug, HASP module, dongle).
- software license key (SL key)

The software does not run without the license key. Installation can be carried out without license key, see *Activating the program license*, ROHR2license document.



HASP HL or
HASP Single user lic. (green)



HASP HL NET or
HASP Network license (red)



Software license (SL)
Installation: see chapter 4.2, this manual

Please verify that port 1947 TCP/UDP is not locked.



3.1 SL license keys

Software licenses (SL) are bound to a particular computer hardware.

**If the computer hardware is changed or defect the software license stops working.
That means the SL license needs to be transferred to different hardware BEFORE changing the components of a computer**

Additional requirements of the SL License

- At least one of the ROHR2/ SINETZ/ PROBAD workstations accessing the SL license key requires an internet connection.
 - ROHR2: SL Licenses require ROHR2 release 33.0 or higher.
 - SINETZ SL Licenses require SINETZ release 4.1 or higher.
 - PROBAD SL Licenses require PROBAD release 2020.1 or higher.
- Previous program releases are not supported by SL Licenses

4 Installation

The installation data of ROHR2 – SINETZ -PROBAD is available for download. Please contact the support team or the sales team for a current installation download link.

Each program release needs to be installed into a separate program directory.



User defined supplements of the databases can be used in the newly installed program. In this case the data need to be copied manually.

4.1 Single user key Installation

Start the program installation running the installation file

Setup.exe

e.g. r2_341_setup.exe, sn_42_setup.exe, pb_setup_2025_01.exe

The setup program installs the program files into the selected ROHR2 - SINETZ - PROBAD main directory.

The SENTINEL Runtime package will be installed.

USB License key

Connect the USB license key to the computer.

SL-Key, Software license key

Install the SL-license as shown in 4.3.

4.2 Network key Installation

4.2.1 Server installation

USB license keys

Installation of a license administration tool

- The SENTINEL Runtime package must be installed on the server (HASPUserSetup).
- Administrator rights are required for server access.

- Download <http://www.rohr2.de/public/haspusersetup.zip>
- Unzip the file
- Install the software by running HASPUserSetup.exe

Connect the USB license key to the computer.

SL licenses

Install the SL-license as shown in 4.3.

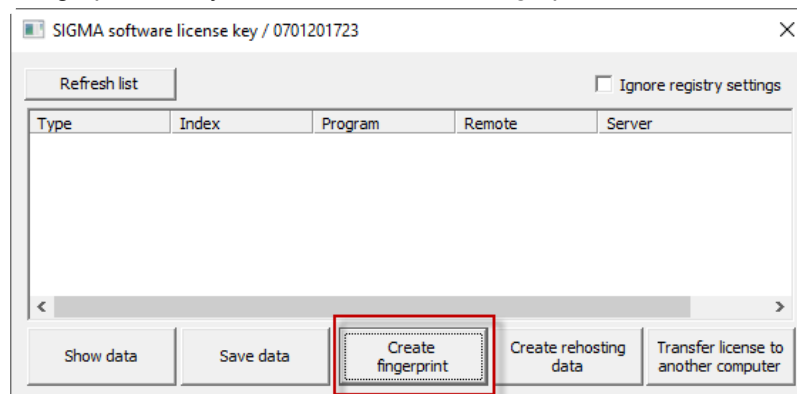
4.2.2 Installation on workstations

The installation procedure on the workstations is similar to the installation of a single user license (see below). Please verify that port 1947 TCP/UDP is not locked.

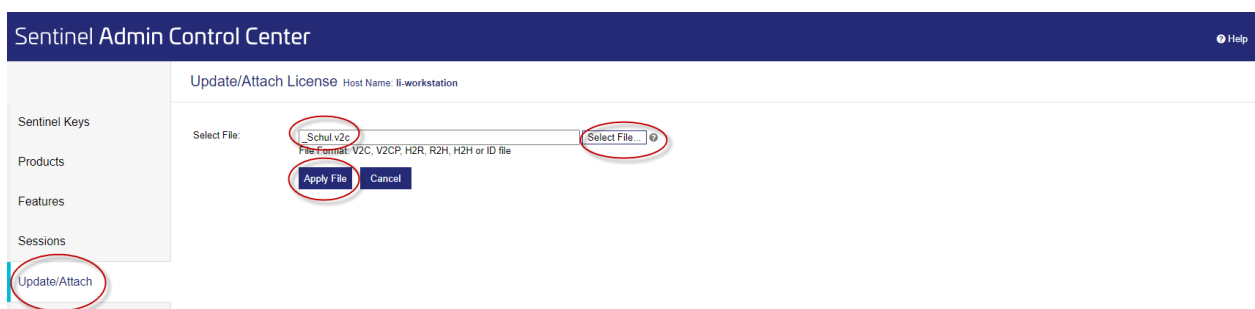
4.3 SL license key Installation

4 - Installation

1. - Download www.rohr2.de/public/slserversetup.zip
 - Unzip the files
 - run *SLServerSetup.exe* (Admin mode)
2. Create a fingerprint of the computer where the license is to be installed:
 - Download www.rohr2.de/public/slscan.zip
 - Copy the data from the *.zip file and unzip into a directory on the computer where the SL license is to be installed.
 - Start *SIScan.exe* in this directory
 - create a fingerprint file by the command *Create fingerprint*



3. You are asked to save the fingerprint file. Type in a unique name for the fingerprint file
4. Send this XML file to sales@rohr2.com
5. On the basis of this fingerprint the sales team creates a license file (format *v2c) which is returned to you.
6. Save the license file (*v2c)
7. Start the Admin Control center by <http://localhost:1947> on the computer where the license is to be installed
8. In the Admin Control Center carry out the *Update/Attach* command
9. Open the license file (*.v2c) by *Select file* and confirm by *Apply File*



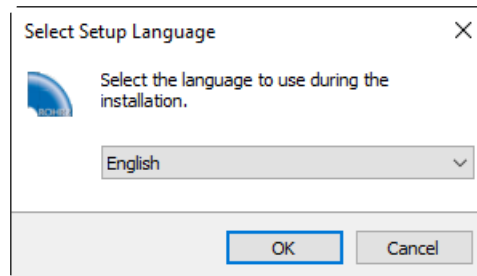
1. When the process has been finished successfully, the license is presented in the Admin Control Center as following.
Now the license works like a USB hardware license. Please note that the software license is bound to the computer where it has been created.

4.4 Software Installation ROHR2 – SINETZ - PROBAD

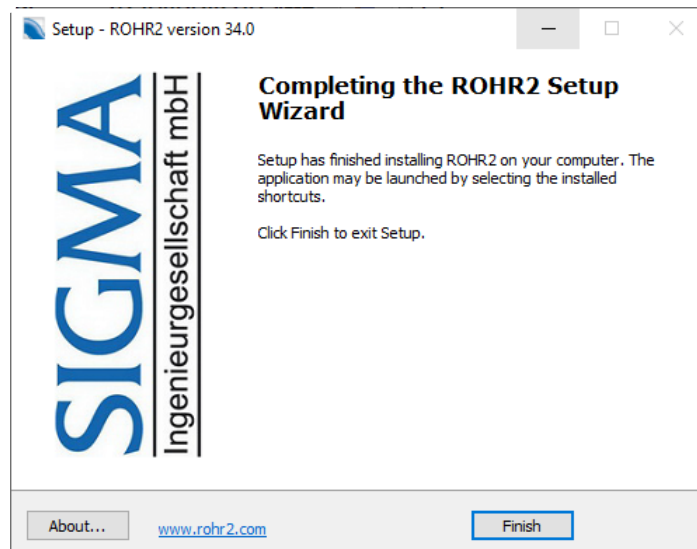
Follow the instructions for the installation of the ROHR2 – SINETZ PROBAD software

4.4.1 Select the language of the installation

The pictures explain the installation using the ROHR2 program as an example. SINETZ and PROBAD are installed using identical dialogs.



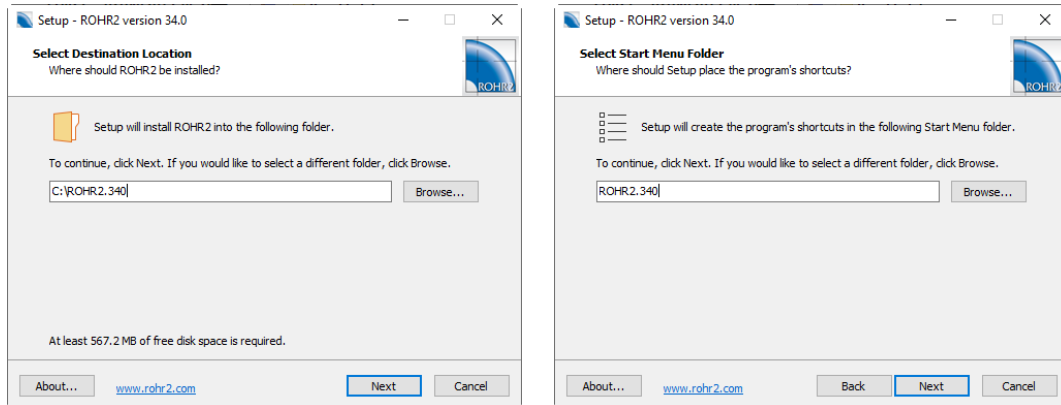
4.4.2 Starting the setup assistant



4.4.3 Installation directory

Select the directory to store the program files and the program group.

If the software is already available on the PC it can be upgraded. In this case a warning message occurs.



The start menu folder can be selected.

4.4.4 PROBAD Selection of folders



The installation of PROBAD requires to select 2 different directories:

- a) The program folder (**PGM**) where the program calculation modules are stored. "Read only" rights are sufficient in this case.
- b) The data folder (**DATA**) here the calculation data is stored (input data and calculation results). If located on a network drive several users, working on the same project can access the files. The data folder requires Read and Write capabilities.

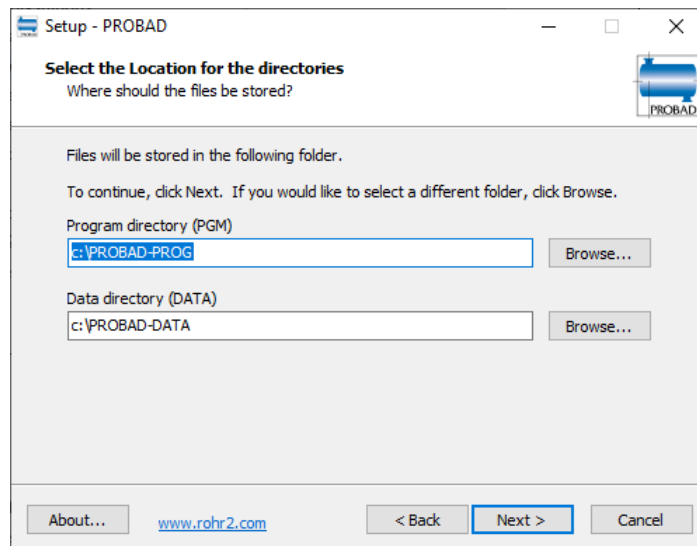
PROBAD, older program releases

Old PROGRAM releases remain when installing the new PROBAD. New installations are carried out in different folders, parallel to the old installation.

This allows to work with older projects using previous PROBAD releases.

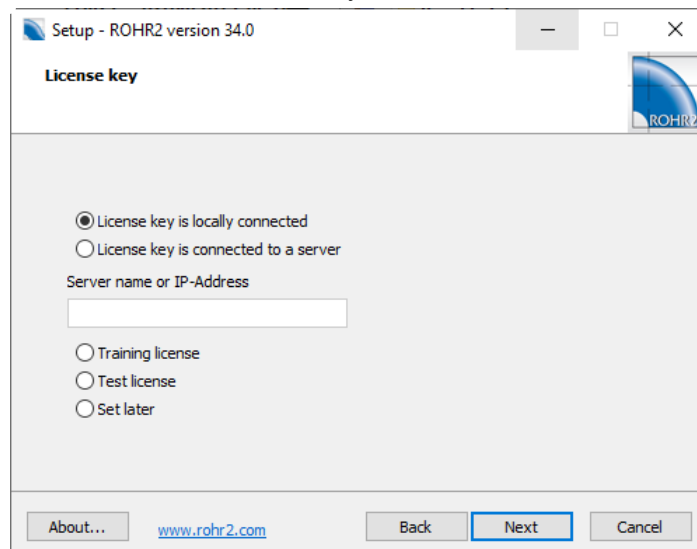
A new release of the graphical user interface completely replaces the old version.

The new user interface generally is upward compatible to itself. Previous projects can be used with the new release. Old releases of standards are kept and can be part of the calculation, executed by the new user interface.



4.4.5 License key selection

Select whether there is a local or network license key.



License key local/network

Please select

- Local license key. Applicable for Single user licenses and Network licenses in single user mode
- License key in a network (USB key or SL license). Input of server name or IP address is required.

Training license

Installation of a training license. Requires a training license file. Please contact the sales team in this case.

4 - Installation

Test license

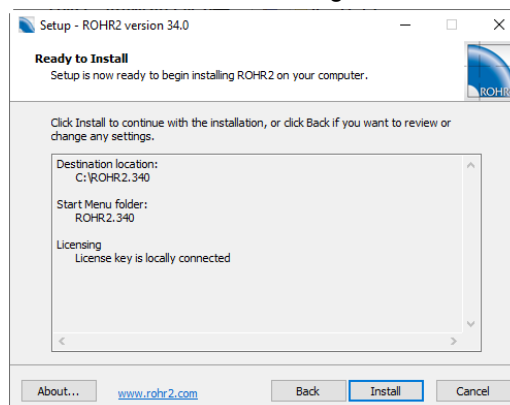
Installation of a text license. Requires a test license file. Please contact the sales team in this case.

Set later

If selected, the program requires the input of a license key at program start.

4.4.6 Ready to install

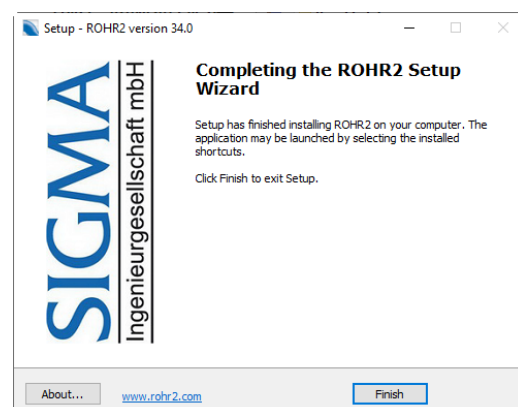
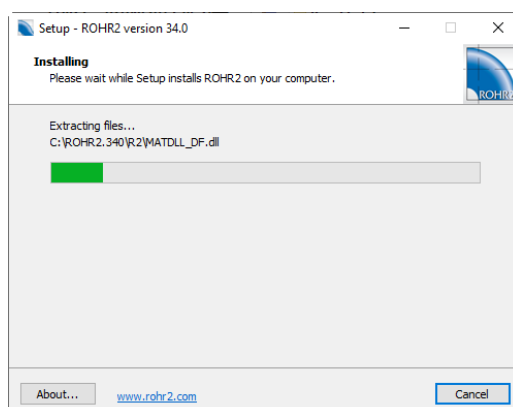
List the installation parameters which can be modified using the *Back* button.



4.4.7 Installation process

The install command starts the installation.

A warning message occurs if an outdated license key driver software exists and need to be replaced. Renewing the driver is useful to avoid problems running the ROHR2 license key. If there are additional software products using this driver software the replacement may cause conflicts and need to be checked before.



ROHR2 Program group

A program group ROHR2 is created in START |PROGRAMS.
The programs can be accessed here.

SINETZ Program group

A program group SINETZ is created in START |PROGRAMS.
The programs can be accessed here.

PROBAD Program group

A PROBAD desktop symbol is created in START| PROGRAMS

Access to all installed programs. Start a program module by a double click on the symbol. Modules without current license are blocked.

Start menu help: press F1 or select help menu.

License activation

The program license is activated at the first program start after installation, see *Activating the program license* , ROHR2license document for details. It is required to plug in the license key.

The program license is activated at the first program start after installation. The activation process checks the right to use the current program release and is carried out via internet connection. For details please refer to the chapter *Activating the program license* in the document *R2SNPB_license.pdf*.
It is required to plug in the license key.

4.4.8 Installation by command line (silent Installation)

The ROHR2 setup program offers various parameters to carry out a program installation by command line without additional user settings:



ROHR2, SINETZ

<code>/silent</code>	Automatic installation, the status window is shown
<code>/verysilent</code>	Automatic installation, without showing the status window
<code>/dir=[Installation directory]</code>	Installation directory to be defined manually. If the directory input is missing, the standard installation directory is used.
<code>/IP=[Server name/-address]</code>	Network license only: enter the name or IP-address of the server where the license key is installed.



PROBAD

<code>/silent</code>	Automatic installation, the status window is shown
<code>/verysilent</code>	Automatic installation, without showing the status window
<code>/DirPgm=[Installation directory]</code>	Installation directory to be defined manually. The directory PROBAD-PROG is set automatically.
<code>/DirData=[Installation directory]</code>	Installation directory to be defined manually. The directory PROBAD-DATA is set automatically.
<code>/IP=[Server name/-address]</code>	Network license only: enter the name or IP-address of the server where the license key is plugged into.

4.5 Uninstall ROHR2 – SINETZ - PROBAD

Uninstall the programs by the Windows Control Panel.

4.6 Terminal Server/Remote Desktop

The program can be executed on a Terminal server system (e.g. Citrix) or Remote desktop , if the selected terminal server solution meets the requirements of the Sentinel runtime software (see system requirements, 6).

Generally a terminal server solution is restricted to ROHR2 – SINETZ - PROBAD network licenses.

5 Administration of the HASP network license key

5.1 Admin Control Center

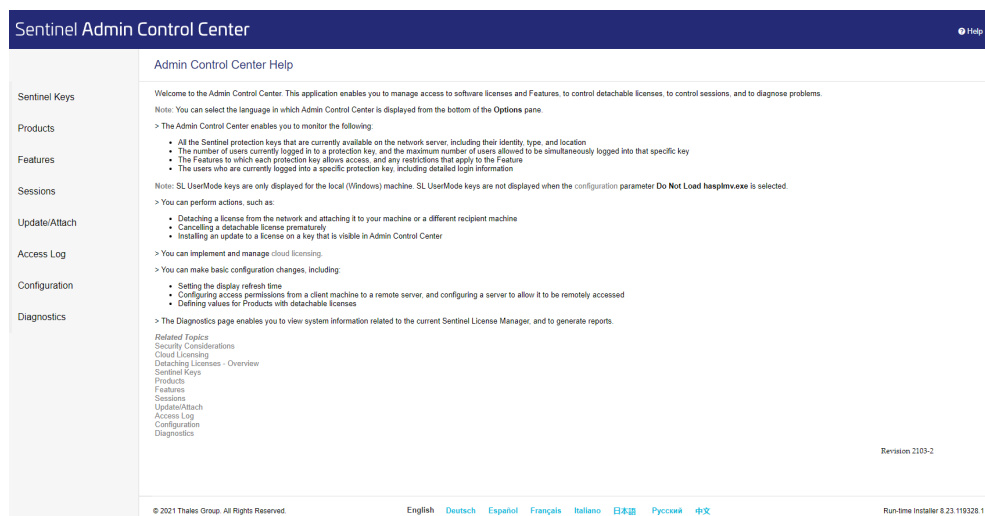
Supervising and controlling the access to the network license key by means of the admin control center, provided by the supplier of the license keys, SENTINEL.

The web interface of the admin control center is shown in the internet browser using port 1947.

- Start the Admin Control Center on the client computer by <http://localhost:1947>
- Select your language

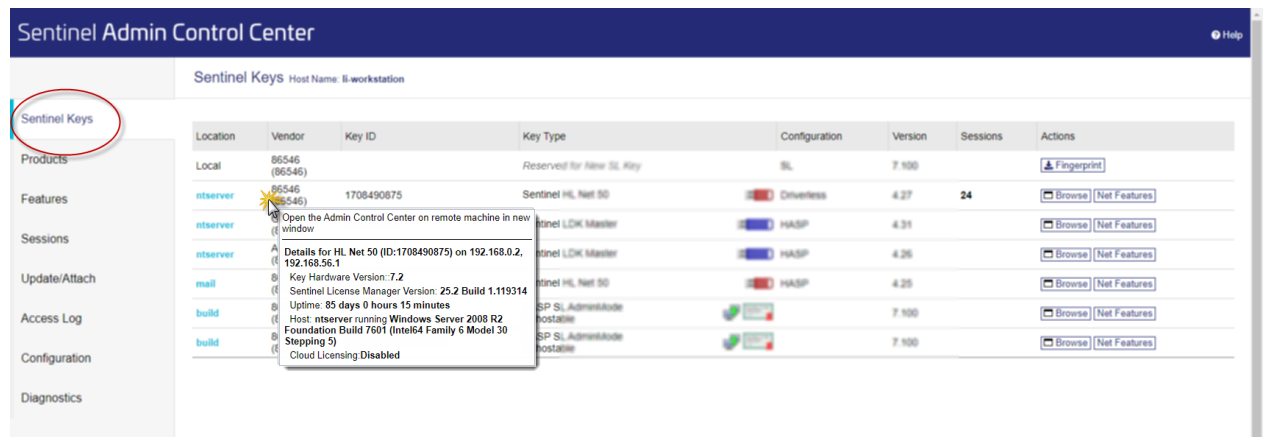
English Deutsch Español Français Italiano 日本語 Русский 中文

Admin control Center Window



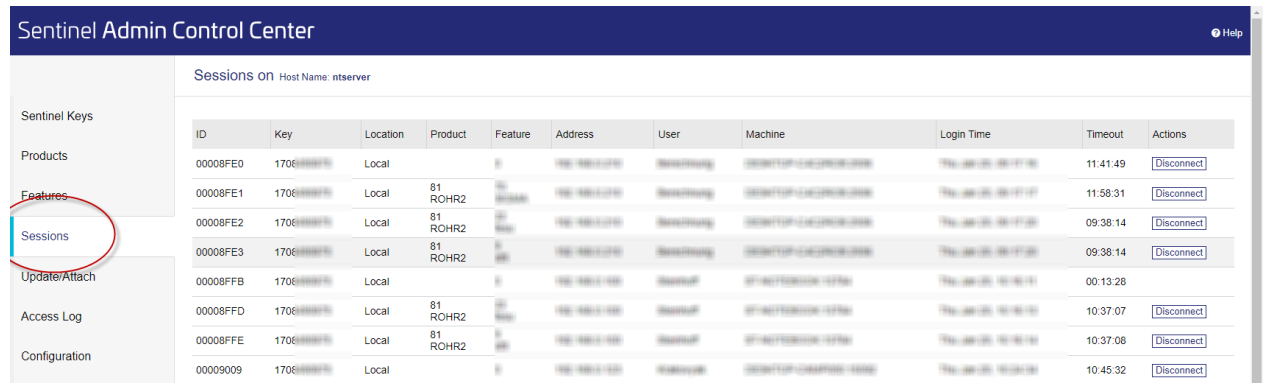
The menu *Sentinel Keys* displays all license keys which are plugged-in or part of the network. Move the mouse over the *Location* or *Vendor* entries for detailed server information.

5 - Administration of the HASP network license key



Current logins are shown in the Sessions menu.

e.g.



Use the Help function of the admin control center for additional commands. For additional functions of the Admin Control Center see document *ROHR2license*.

6 System requirements

Basically the requirements of the Sentinel runtime software need to be fulfilled which can be downloaded here:

www.rohr2.de/public/sentinel_readme.html

The system requirements of all ROHR2 program versions are as following:

System requirements of single user licenses and PC-workstations in the network

- PC mit mind. 16 GB RAM empfohlen 32 GB RAM
- Windows 11/10 (64-bit)
- Screen resolution minimum 1280 x 720 px, 1920 x 1080 px recommended
- USB port (not in case of SL Licenses)
- Internet connection for the activation of the program license *) and program updates

ROHR2 special requirements

- .NET Framework 4.8
- OpenGL 3.2

*) Activation by phone/email or internet

System requirements of the network server

In addition to the requirements for single user licenses:

- Installation of the HASP license manager on a Server PC accessible by all users in the network
- Windows 11/10, Windows Server 2022/2019/2016 (64-bit)

In case of integrating ROHR2 into company-wide or country-wide networks (WAN) please contact us.

7 User support, ROHR2/SINETZ board

All software commands are documented in the user manual and in the program online help, see *Online help* and *Program documentation*.

Additional information sources are available

- the user support providing advice on installation and application of the program (hotline-service) on workdays (Mondays to Fridays) from 9.00 - 16.00 (Central European Time).
- in the internet, e.g. ROHR2 forum (ROHR2 board) see *Help menu*

User support by email

An email function, integrated in to ROHR2win enables to transmit program data directly (see menu *Help |Support request*

User support address

SIGMA Ingenieurgesellschaft mbH
Dept. Program-Support
Bertha-von-Suttner-Allee 19
D-59423 Unna
Germany

Telephone and email

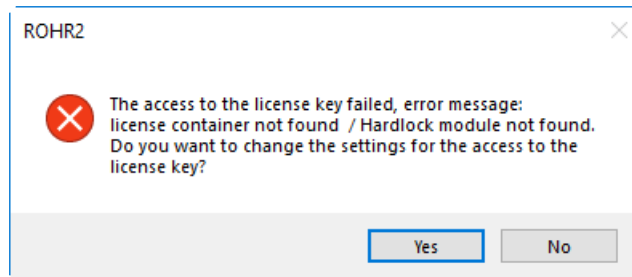
Software-Support, German	++49 (0) 2303 332 33 33	support@rohr2.de
Software-Support, English	++49 (0) 2303 332 33 44	support@rohr2.de

Internet

www.rohr2.de	www.rohr2.com
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8 License key access errors/Trouble shooting

If the access to the license key fails when starting the program, („The access to the license key failed“) please check the following:



8.1 Single user license

1. Does the LED of the license key glow?
If the LED does not shine there is a problem with the drivers installation. In this case carry out the manual installation of the Sentinel Runtime Software according to 8.3.
2. Check the availability of the license key in the *Admin Control Center*, see 8.4.
3. In case of Remote Desktop or Terminal Server access:
Remote access does not work with single user licenses, a network license is required.

If the upper mentioned checks do not show the reason for the error and the license is still not accessible, please contact our support team: support@rohr2.de

8.2 Network license

8.2.1 Server

Check the availability of the network license key at the server where it is plugged or where the SL license is installed..

1. Does the LED of the license key glow?
If the LED does not shine there is a problem with the drivers installation. In this case carry out the manual installation of the Sentinel Runtime Software according to 8.3.
2. Check the availability of the license key in the *Admin Control Center*, see 8.4..
3. Check if port **1947 UDP/TCP**, to be used for the communication between the workstations, is not blocked by a firewall or others.

8.2.2 Workstation PCs

1. Check the Windows Registry parameters (start *regedit.exe*)
HKEY_CURRENT_USER\Software\SIGMA\Server
 Here the name or the IP-Address of the server where the license key is plugged-in or where the SL license is installed needs to be registered correctly.
 If not, please add or correct the server name or the correct IP-address. Several names/addresses can be entered, separated by a colon (comma) “,”
2. Check if the license key at the server is shown in the *Admin Control Center* running on the workstation PC.

- Workstation PC: start in the internet browser:

<http://localhost:1947>.

to run the *Admin Control Center* . If this page is not shown there is a problem with the Sentinel Runtime Software. In this case carry out the manual installation of the Sentinel Runtime Software according to 8.3.

- *Admin Control Center*: use the *Configuration* (menu on the left margin) to check if the name or IP-address of the license server is registered correctly in the field *Access to Remote License Managers* . If it is not registered correctly, please add or correct the server name/ IP-address and confirm using the *SUBMIT* command. Please wait a few minutes until the process has been finished..

- *Admin Control Center*: The menu *Sentinel Keys* (menu on the left margin) shows the list of available license keys. SIGMA license keys are labelled with Vendor-ID 86546 (ROHR2/SINETZ) or 86405 (PROBAD) at the server (*Location*) should be visible.
 If the license key is not visible a network problem occurred.

Check the general availability of the workstation PC in the network , e.g. by using PING command (ping) and check if the Port 1947 UDP/TCP, to be used for communication between workstations, is not blocked by a firewall etc.



If the checks don't lead to a result and the license key is still not available the next steps require to submit a report from the *Admin Control Center* to our technical support team.

Create a report in *Admin Control Center* using the commands *Diagnostics* and *Generate Report*, add an error description and send it to support@rohr2.de

Version	Sessions	Actions
4.26	-	<input type="checkbox"/> Browse <input type="button" value="Net Features"/>
4.31	-	<input type="checkbox"/> Browse <input type="button" value="Net Features"/>
4.25	6	<input type="checkbox"/> Browse <input type="button" value="Net Features"/>
4.25	-	<input type="checkbox"/> Browse <input type="button" value="Net Features"/> Display the features of remote Sentinel Key accessible by this License Manager
4.25	-	<input type="checkbox"/> Browse <input type="button" value="Net Features"/>
3.25	-	<input type="checkbox"/> Browse <input type="button" value="Net Features"/>

3. In case of Remote Desktop, Terminal Server or any other remote access:
 A so called “TS option” need to be enabled on the license key: check if this option is active on your license key as following
 - *Admin Control Center* command *Sentinel Keys* (menu on the left margin) show the list of accessible license keys:
 - Select SIGMA license keys and use the command *Net Features*
 - If the license key has been prepared for remote access operations, the entry shows *Access „Loc Net Display“*.

If the term „Display“, is missing, the remote access feature is not active at this license key..
Contact the support team in this case: support@rohr2.de,

Location	Access	
 sigma-int	Loc Net Display	Remote: YES
 sigma-int	Loc Net	Remote: NO

If the checks above do not lead to appositive result and the access to the license key is still not available at program start please contact the support team support@rohr2.de.

8.3 Manual installation of the Sentinel Runtime Software

1. Remove the USB license key
2. Download the drivers from www.rohr2.de/public/hldriver.zip
3. Copy the data from the downloaded *.zip file to a directory on the PC, where the license key will be plugged in or where the SL license is installed.
4. Start hldriver.bat
from the directory. At first possibly existing old drivers will be remove. After that a new driver will be installed. This process may last a few minutes. After successful installation the program version will be displayed.
5. Connect the USB license key to the PC and wait until the USB plug has been checked by Windows.

8.4 Checking a license key using the Admin Control Center

1. Start the internet browser and type in:
<http://localhost:1947>.
to run the *Admin Control Center*
If this page is not shown there is a problem with the Sentinel Runtime Software. In this case carry out the manual installation of the Sentinel Runtime Software according to 8.3.
2. Show the list of available license keys in the *Admin Control Center* by the command *Sentinel Keys* (menu on left margin). The SIGMA license key(s), Vendor-ID 86546 (ROHR2/SINETZ) or 86405 (PROBAD) must be shown.
3. If the license key is not shown here though it is
- plugged in
- the LED is glowing
maybe a problem with the Sentinel Runtime Software occurred . A solution may be the manual installation of the Sentinel Runtime Software according to 8.3.
If this does not solve the problem, please submit the report *Admin Control Center* to the technical support team. Create a report in *Admin Control Center* using the commands *Diagnostics* and *Generate Report* , add an error description and send it to support@rohr2.de