



Intraoperative Neuromonitoring

Functional Neurosurgery **Intraoperative neuromonitoring**

Pain Treatment

Neurological Diagnostics

inomed 
connected

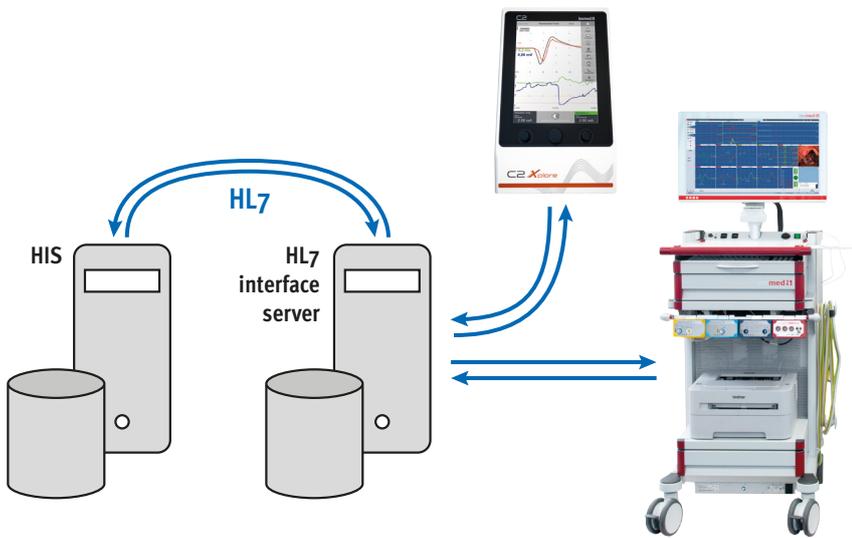


HIS Connection

Exchange of patient data and IOM documentation between the IOM device and the hospital information system (HIS)

HL7 (ISIS: 508 525 or 508 521* / C2: 508 524 or 508 521*)

- » Request patient information from the HIS with the patient ID
- » Save generated PDF reports from the IOM systems to your HIS
- » Supports standard HL7 message types



Available for:



Licencing: per system

Requirements: network connection, HL7 interface server installed on clinical server or directly on the IOM system

* May require cooperation with third parties

GDT (ISIS: 504 419 / C2: 508 520)

- » Request patient information from the HIS with the patient ID
- » Save generated PDF reports from the IOM systems to your HIS



Available for:



Licencing: based on number of systems

Requirements: network connection, HIS with GDT support

Remote Monitoring

Nuotolinis monitoringas

Share the IOM screen with a mobile device or a hospital workstation

Bendrinkite IOM ekraną su mobiliuoju įrenginiu arba ligoninės darbo stotimi

inoView — Wi-Fi set with software (508 517)

- » Add comments directly on a tablet
- » View the system screen over the network in the OR and anywhere in the hospital where Wi-Fi is available
- » inoView app available for Android and iOS for free



Available for:

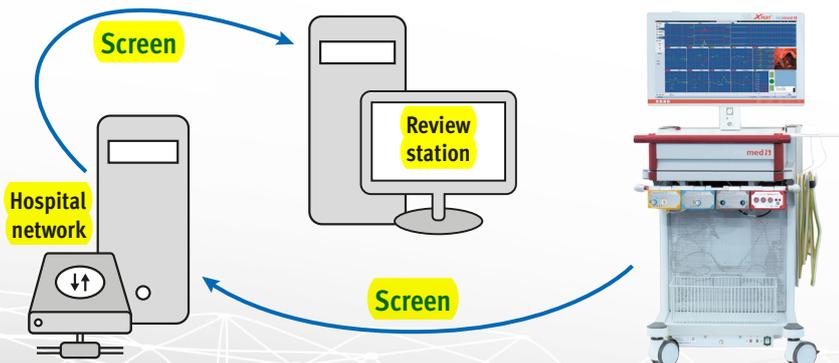


Licencing: per system

Requirements: wireless network connection, iPad: iOS version 12.1, Android-based tablets: Android version 8.0

Netop (504 205)

- » View the system screen over the network anywhere in the hospital
Stebėkite sistemos ekraną tinkle bet kurioje ligoninės vietoje
- » Available as Windows application
Suderinama su Windows operacine sistema



Available for:

Galima:



Licencing: per review station
viename įrenginyje

Requirements: network connection
tinklo ryšys

Documentation

Share, archive and print reports

Save to network share (ISIS: 508 523 / C2: 508 522)

- » Save generated PDF reports on the hospital network and allow HIS to integrate them into patient records *



Available for:



Licencing: per system

Requirements: network connection, NeuroExplorer 2019 version 7.0.4 or newer (regarding the ISIS family)

* HIS integration is performed by clinical IT staff

Print reports on network printers (included in standard configuration)

- » Print generated reports on printers anywhere in the hospital network
- » PostScript printers are supported



Available for:



Requirements: network connection, compatible printer driver software

Data Management

Synchronise patient and measurement data between multiple ISIS IOM systems and review stations over the hospital network

ISIS Software DataSync (504 400)

- » Upload patient and measurement data to the server
- » Download data to your review station
- » Organise and edit the data, e.g. add comments and edit peaks
- » Upload the changes to the server to make them available for everyone
- » Display synchronisation status of data

Available for:



ISIS Xpress



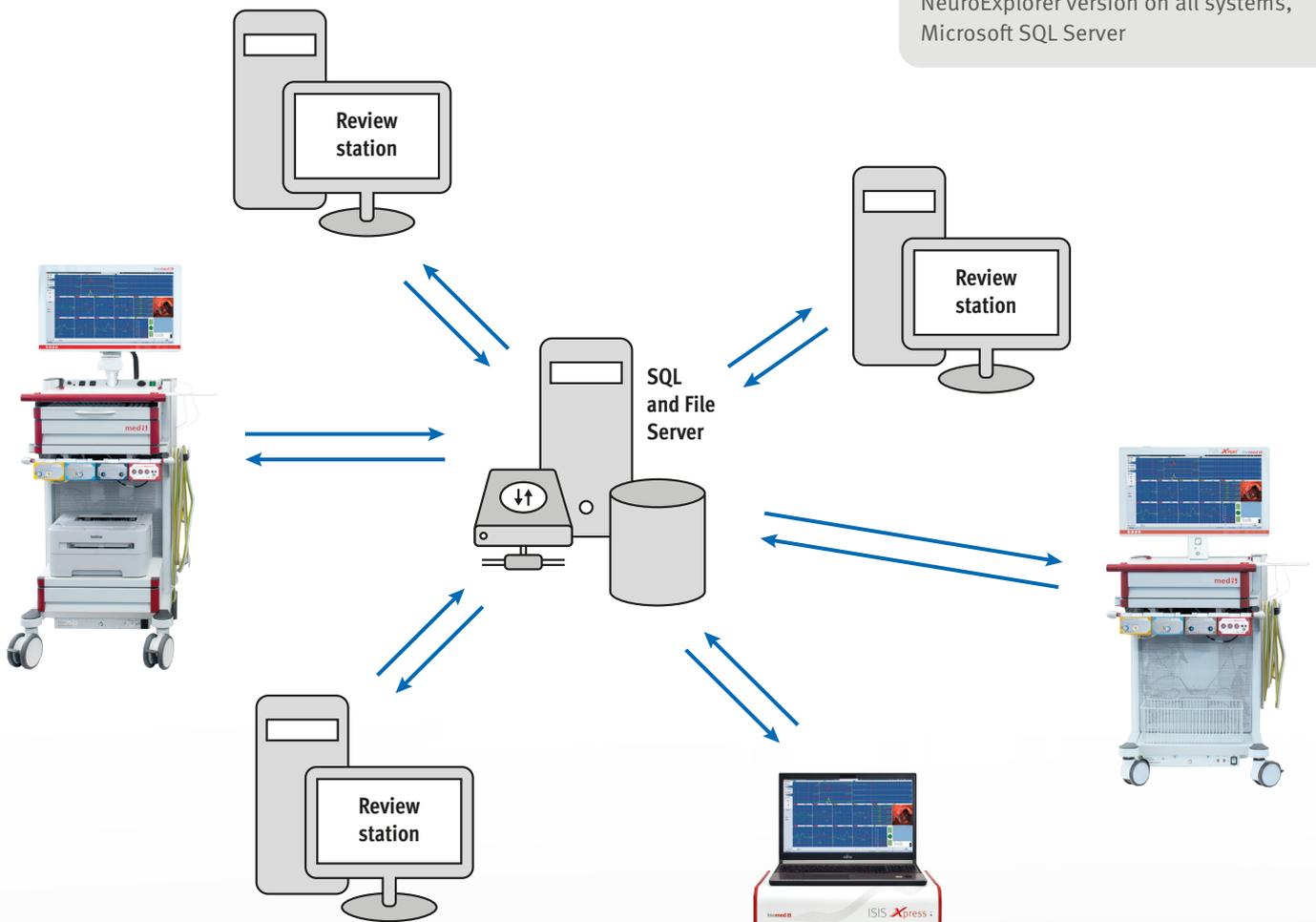
ISIS XPERT



ISIS XPERT plus

Licencing: per system

Requirements: network connection, ISIS Software DataSync, same NeuroExplorer version on all systems, Microsoft SQL Server

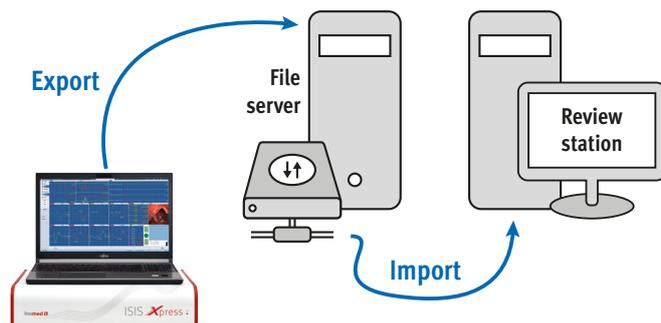


Documentation

Share and archive patient and measurement data

Export patient data to a network drive (included in standard configuration)

- » Export patient and measurement data to a network drive for easy archiving and import from other review stations with installed NeuroExplorer



Available for:



Requirements: network connection, network shared directory



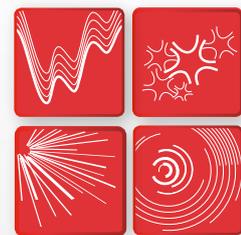
C2 Xplore Wi-Fi set (508 566)

- » All network connections shown for the C2 Xplore are also available via Wi-Fi

C2 Xplore



- » Partnership
- » Precision
- » Innovation



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inomed

inomed Medizintechnik GmbH
Im Hausgruen 29
79312 Emmendingen (GERMANY)

Tel. +49 7641 9414-0
Fax +49 7641 9414-94
info@inomed.com
www.inomed.com



Installation Manual
Remote-Access with
Netop for ISIS Systems

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1 Introduction

Many costumers voiced the wish to look at the ISIS Systems (IOM/MER) from a room outside the operating theatre. Therefore a Remote-Access solution was developed.

This solution offers physicians and users of our systems the possibility to see the actual screen content in their office.

Furthermore the physician has the possibility to mark content on the ISIS screen.

All together the Remote-Access with Netop for ISIS Systems offers the physician a comfortable possibility to have a look to the screen without being the whole time in the operating theatre.

2 Requirements for user and ISIS System

- Electrical safety
The network connection must be electrically isolated according to IEC 60601-1.
Therefore an optical network card can be used or with a wired Ethernet port a "medical network isolator (MI 100/1000)
If an optical network card is used and there are no optical ports available in the operator network, then a media converter to RJ45 is required. Its power supply must not be provided by the power supply of the ISIS System (electrical safety).
- Control-/data analysis unit with installed **Windows XP/7/10** and an integrated network interface card must be available.
- **The software Netop (version 11.5 or above) of the company Xnet Communications GmbH** is used. For every ISIS System a „Host-licence“ and for every control-/data analysis unit a “Guest-licence” is required.

3 Start-up on the ISIS System

3.1 iSSS 4.1 and newer

ISIS Systems with iSSS 4.1 or above has NetOp Host already installed, but per default disabled. To enable the Neto Host do the following steps:

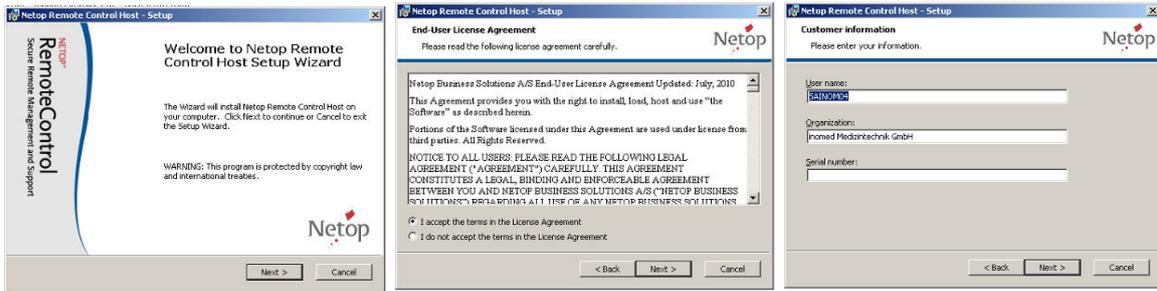
1. Execute “C:\Program Files (x86)\NetOp\NetOp Remote Control\Host\showhost.exe” .
2. Open the NetOp window in the system tray on the bottom right.
3. Navigate to Tools>>Program Options.
4. Check the setting „Start Host when loaded“ and save with „OK“. NetOp Host will now start with Windows.

3.2 iSSS 2.0 up to 4.0

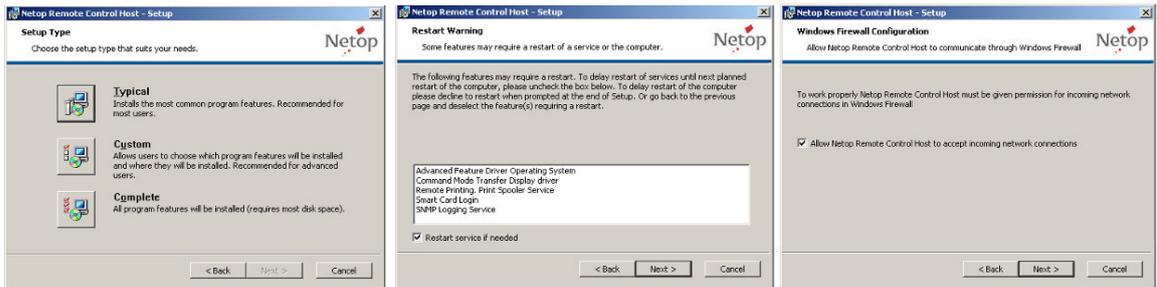
ISIS Systems with iSSS 2.0 up to 4.0 has already installed and activated the Netop Host. These Systems only must be integrated in the network. No additional software must be installed. Continue with chapter “Start-up on the control-/data analysis unit”.

3.3 iSSS 1.6 and older

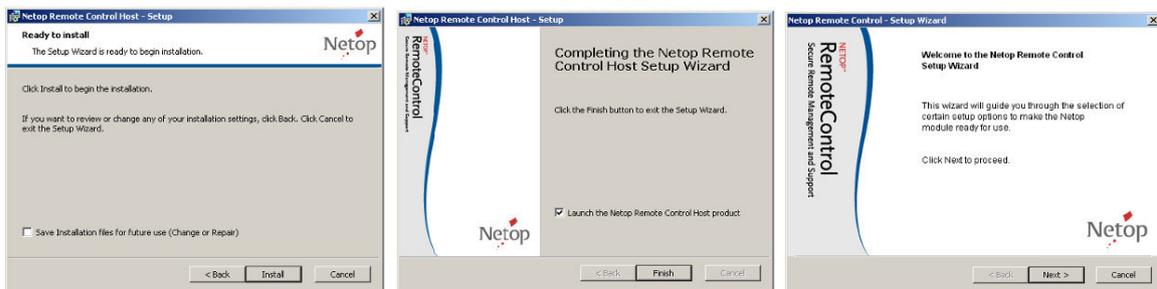
1. TCP/IP configuration of the network interface card according to customer arrangements.
2. Installation of Netop as Host.
 - Start of *NetopRemoteControlHost_UK.msi* → Setup is running.
(UK means British English and may differ in other languages)
 - Confirm the welcome screen of the “installer” with *Next*
 - Accept the terms in the License Agreement and click *Next* to continue.
 - Enter the Serial number for the “Host” (received with the order/ delivery) and the customer name in the customer information field and continue with *Next*.



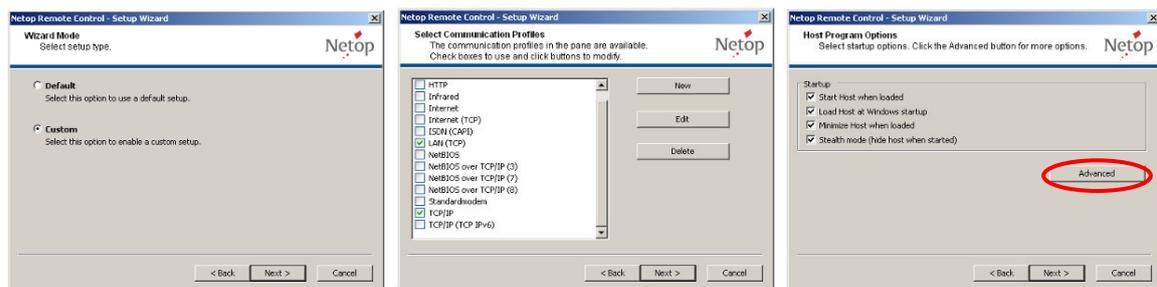
- Select "Setup Type" *Typical* and confirm the following windows with *NEXT*.



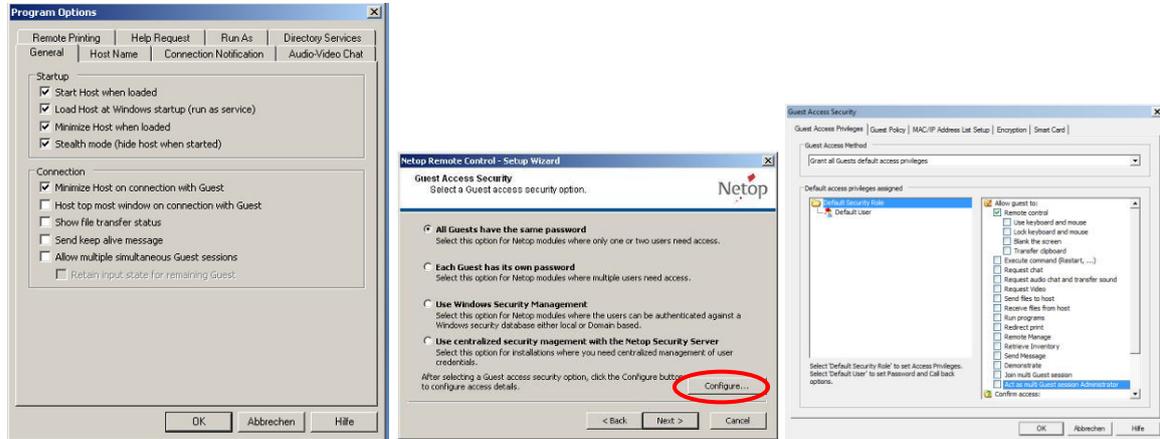
- Press *Install* to start the installation.
- After successful installation the following window appears. Continue with *Finish*. Then the application "Netop Remote Control Host" will automatically be started for configuration of the "Host".
- After automatic start "Setup Wizard" of the Host the following window appears. Confirm this with *NEXT*.



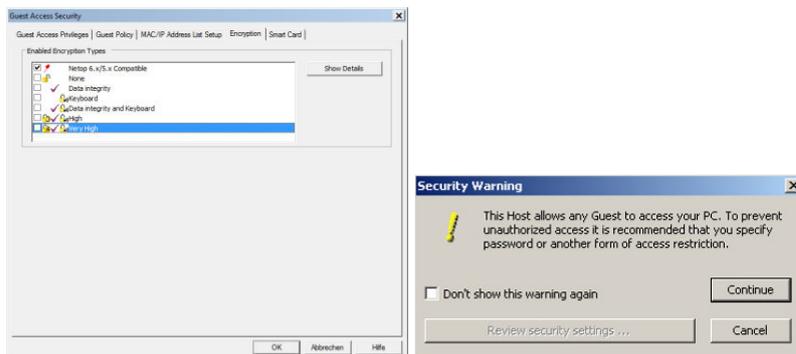
- Select *Custom* and continue with *Next*.
- Activate only communication profiles *LAN (TCP)* and *TCP/IP* and continue with *NEXT*.
- Activate all Startup Options and then click the *ADVANCED* Button to open more Program Options.



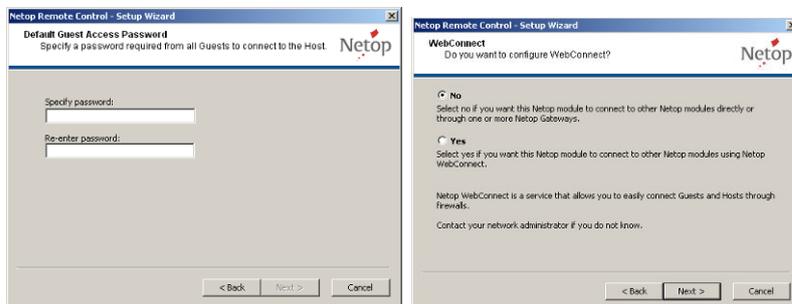
- Activate all Options in block *Startup* in *Tap General*
Activate only *Minimize Host on connection with Guest* in block *Connection*
Close tap with *OK* and then continue with *NEXT*.
- Select *All Guests have the same password*, then click the *CONFIGURE* Button to open the dialog *Guest Access Security*.
- Disable all Access Privileges besides *Remote control* on the Tap *Guest Access Privileges*.



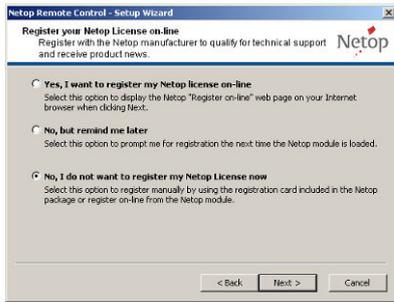
- Deactivate all Encrytion Types in *Tap Encryption* besides *Netop 6.x/5.x Compatible*.
Close tap with *OK*
- Confirm the "Security Warning" with *CONTINUE*.



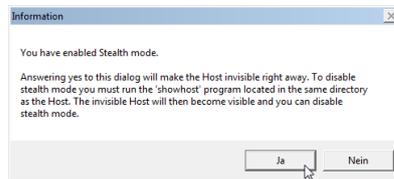
- Set as password *remote1991* in the window "Access Password" and write it down in the device documentation. Select *No* in the window "WebConnect" and continue with *NEXT*.



- Select *No, I do not want to register my Netop License now* and continue with *NEXT*.



- Click *FINISH* to end the Setup Wizard and confirm the hint for the *Stealth Mode* with *Yes* to finish the configuration.



- The ISIS System is now prepared for the Remote Access and can be addressed in the future with the Guest Software of the control-/data analysis unit.

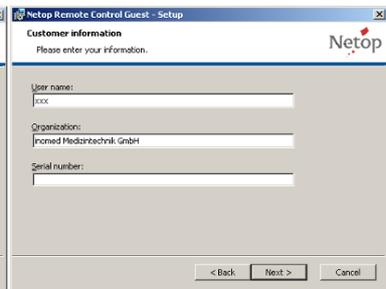
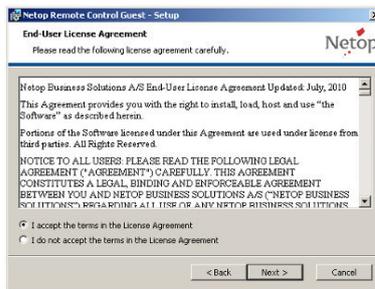
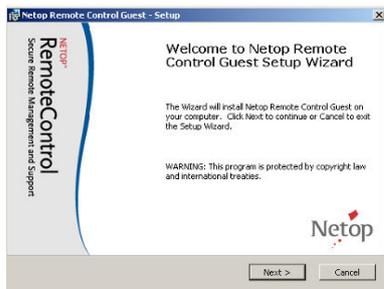
4 Start-up on the control-/data analysis unit

4.1 Installation of Netop as Guest.

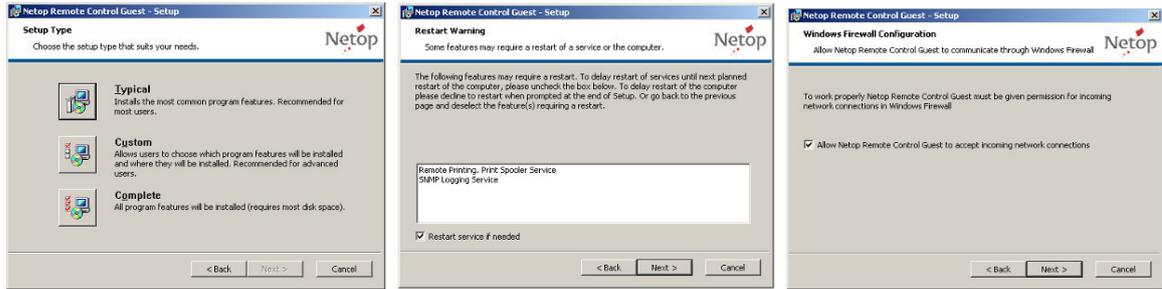
The analysis unit has to be in the same network as the ISIS System, which is to be accessed via this solution. Please check this before the installation using a PING command. (Ping IP address of the ISIS System)

Do not start the installation until you get a response to the PING command.

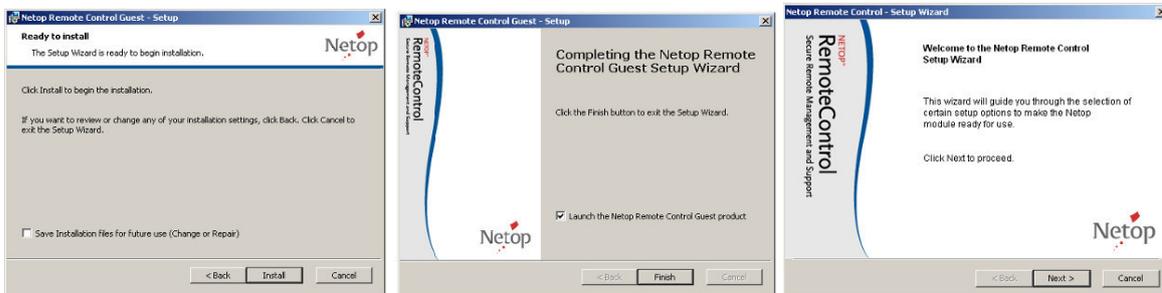
- Start of *NetopRemoteControlGuest_UK.msi* → Setup is running. (UK means British English and may differ in other languages)
- Confirm the welcome screen of the “installer” with *Next*
- Accept the terms in the License Agreement and click *Next* to continue.
- Enter the Serial number for the “Guest” (received with the order/delivery) and the customer name in the customer information field and continue with *Next*.



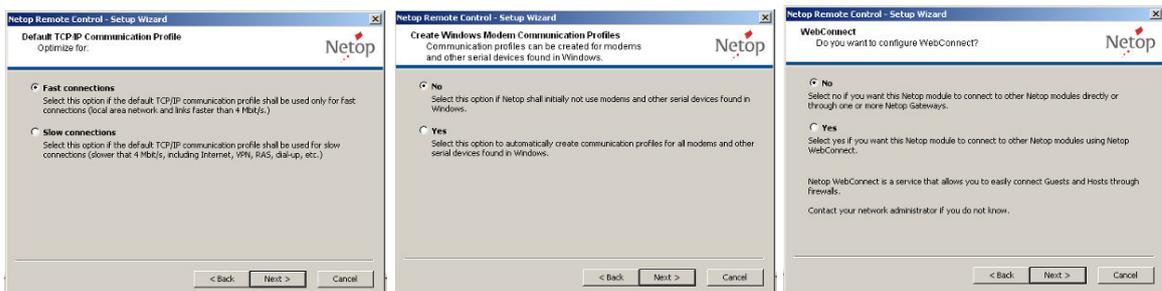
- Select “Setup Type” *Typical* and confirm the following windows with *NEXT*.



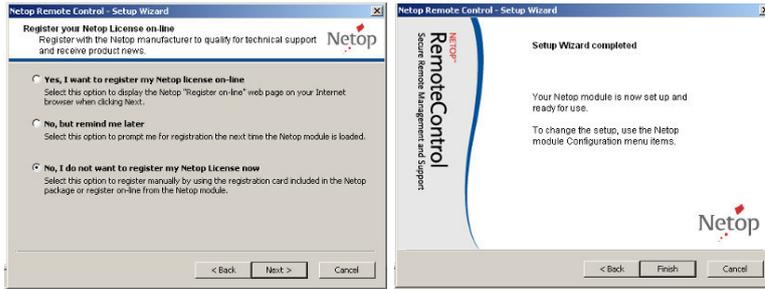
- Press *Install* to start the installation.
- After successful installation the following window appears. Continue with *Finish*. Then the application “Netop Remote Control Guest” will automatically be started. A Setup-Wizard is running when you first start it.
- After automatic start "Setup Wizard" of the Guest the following window appears. Confirm this with *NEXT*.



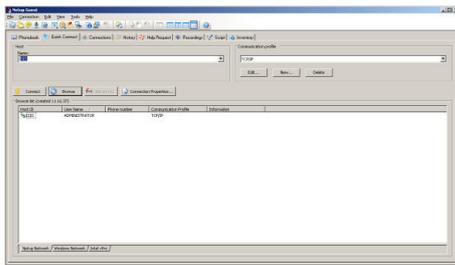
- Select *Fast Connections* in the window “Optimizing of the Communication Profile” and continue with *NEXT*.
- Select *No* in the window “Create Windows Modem Communication Profiles” and continue with *NEXT*.
- Select *No* in the window “WebConnect” and continue with *NEXT*.



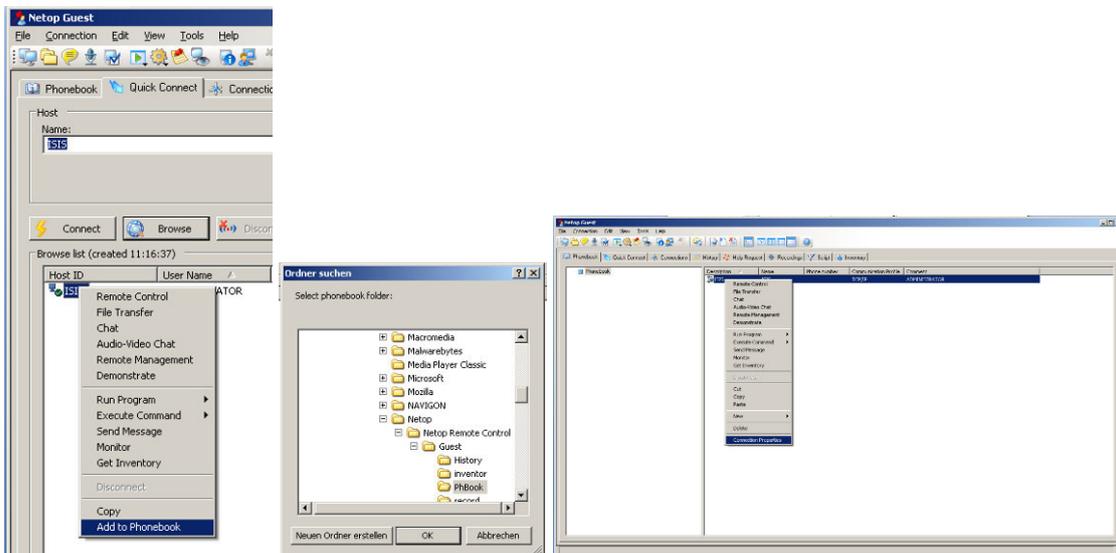
- Select *No, I do not want to register my Netop License now* and continue with *NEXT*.
- Click *FINISH* to end the Setup Wizard.



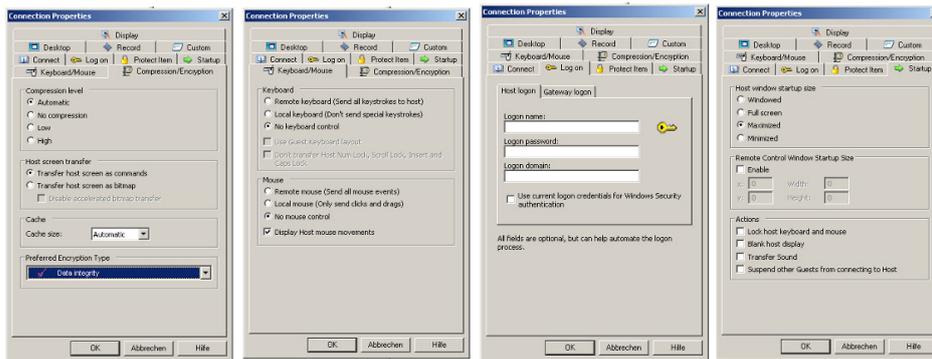
- When the software is running, click the *Browse* button in *Tap Quick Connect*. The ISIS System must be detected after a few seconds.



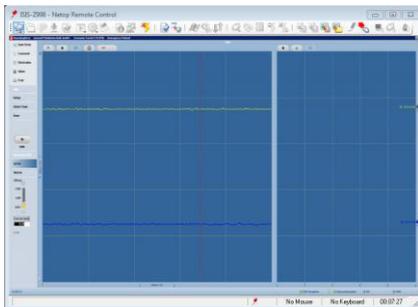
- Mark the ISIS IOM System, press the right mouse button and select the menu item *Add to phonebook*.
- Close the Browse Folder window with *OK* after selection of the directory for the phonebook.
- Change to *Tap Phonebook* in the main menu and mark the ISIS entry. Press the right mouse button and select the menu item *Connection Properties*



- Set in the *Tap Compression/Encryption* the *Preferred Encryption Type* to *Data integrity*.
- Select in the *Tap Keyboard/Mouse*
 - *No keyboard control*
 - *No mouse control*
 - *Display Host mouse movements*
- Enter the password used for the installation of the Host under *Tap Log on*.
- Set in *Tap Startup* the *Host window startup size* to *Maximized*.



- Close the whole *Connection Properties Dialog* by pressing the *OK* button. By double clicking on the previous created phonebook entry, a connection to the ISIS can be arranged. For example:



5 Option

Optionally a "batch file" could be created for the customer, which allows him to access the ISIS system with a double click. The "batch file" can then be put on the desktop of the data analysis unit.

The content of the batch file should have to following structure:

The first part relates to the program path of the installed Netop software and the second part to the location of the used phonebook entry.

```
"C:\Programme\Danware Data\NetOp Remote Control\GUEST\Ngstw32.exe"
```

```
/E:"C:\Programme\Danware Data\NetOp Remote Control\GUEST\PhBook\ISIS.dwc"
```

```
/R:
```



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|  | <p>Im Hausgruen 29 79312 Emmendingen (Germany) Tel.: +49 7641-9414-0 Fax: +49 7641-9414-94</p> | <p>www.inomed.com info@inomed.com</p> |
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