NovaTec Network
Services Help File

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NovaTec Network Services Helpfile 6.2

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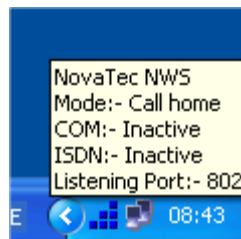   **Fax. +49 5251 1589-11**

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1.1   Introduction

Introduction

NovaTec Network Services For communication with the target system either via V.24, USB, ISDN or TCP/IP . All NovaTec PC software products use a proprietary transmission protocol called MMX. This software protocol is provided by the **NovaTec Network Services** . Thus, before any communication between a PC software module and a NovaTec target system can take place, the **Network Services** must be running. The only exception to this rule is when a PC application connects directly using TCP/IP

The NWS are installed together with the NovaTec software and can be found in the same start menu folder. The running network services can be found as a symbol in the system tray as seen below.

If the mouse is moved over the tray icon the following information will be shown in the tool tip (the small window shown above).

NovaTec NWS
    The name of the application

Mode:-
    This will show the current mode of the Network Services. The modes are:
    Normal: This is the normal mode when used to connect to a target system.
    Call home: This is the mode that is required for the NMS.

COM:-
    This shows the current state of the COM port.
    Inactive: The COM port is not in use with the Network Services.
    Active: The COM port is in use with the Network Services.
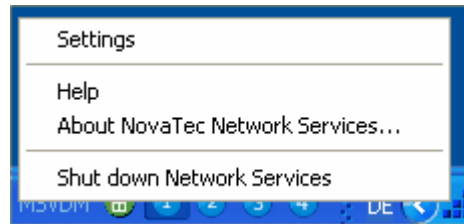
ISDN:-
    This shows the current state of the CAPI (ISDN) interface.
    Inactive: The CAPI interface is not in use with the CAPI (ISDN) interface.

Listening Port:-
    This shows the (IP) listening port on which the Network Services are expecting to receive Call home information from the NMG systems. The standard value is port 802. This setting is only relevant when more than one instance of the Network Services are started on a single PC.

Usually the network services will run on the same machine as the PC software itself, but there are several connection scenarios and it is possible to use network services running on a remote machine that is accessible via TCP/IP. The **NovaTec Network Services** provide the low level communication settings. Additional settings as on which PC to search for the **Network Services** can be carried out in the application being used in a Network Options dialog or when you connect to the target system. To make any changes to the Network Services, or see information about them, click on the tray icon with the **right** mouse button and the following menu will appear

Settings
> Opens the settings dialog. In this dialog the various options for the NovaTec Network Services are set.

Help
> Opens the help file (this file)

About NovaTec Network Services...
> Opens the about dialog information is shown about this application

Shut down Network Services
> Exits the NovaTec Network Services. Any connections to a target system will be lost. Any active transfers will be aborted

1.2   Connection scenarios

Connection Scenarios

For communication with the target system either via V.24, ISDN or TCP/IP all NovaTec PC software products use a proprietary transmission protocol called MMX. This software protocol is provided by the NovaTec Network Services. Thus, before any communication between a PC software module and a NovaTec target system can take place, the Network Services must be running. They have been installed together with the configuration application and can be found in the same start menu folder. Usually the Network Services will run on the same machine as the configuration application or the TraceInfo Client itself. But it is also possible to use Network Services running on a remote machine that is accessible via TCP/IP.

The Network Services have to run on the system connected with the target system. Use the **Network Options dialog** in the application to modify the IP address of the computer that is running the **NovaTec Network Services** .

There are various connection scenarios
Your workstation is connected directly to the target system via The **V.24** interface **ISDN** (if the respective ISDN adapter is located on your local PC) A virtual V.24 port provided by a target-side PC coupled with your local workstation via TCP/IP. In this case the default network settings (Hostname **localhost** , port **800**) are correct. Also the network services have to run on the local PC and must be configured to work with the correct communication port.

Another connection scenario may be that a host PC is running the Network Services, which in turn is connected directly via V.24 to the target system. In this case, the IP address of the host PC needs to be known, so that the TraceInfo Client contacts the host PC, which in turn contacts the target system.
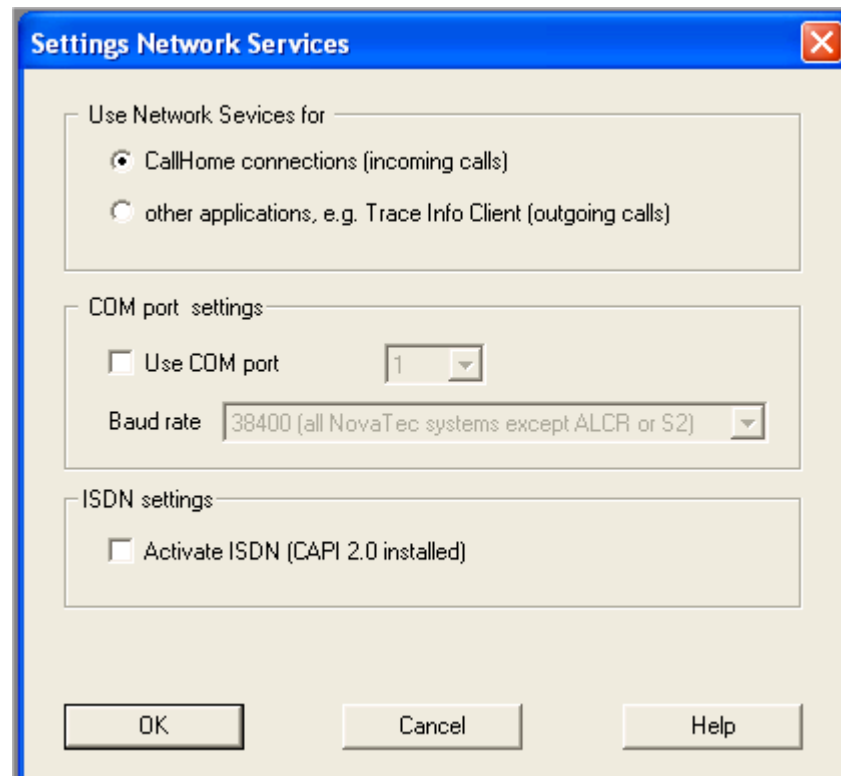
Note
If the target system is fitted with a CCU-3, then a direct connection can be made to the target system using the TCP/IP protocol, **without** the need to run the Network Services. The IP address of the target system must be known.

1.3   Settings

Settings

The settings dialog allows you to change the various options available for the NovaTec Network Services

Use Network Services for

CallHome connections (incoming calls)
Select this option if the PC on which the Network Services are running is being used in conjunction with the Network Management System (NMS).
The NMS takes incoming Call home events from the various target systems that are registered to the NMS and are configured to use Call home.
For more information on the NMS application, please see the corresponding help file.

other applications, e.g. TraceInfo Client (outgoing calls)
This is the standard setting. With this option set, the various NovaTec applications can communicate with the various target systems.

COM port settings
These settings affect the usage of the COM port by the Network Services.
Use COM port
Check this option to use a COM port on the PC. Once this option is active, the COM port to be used can be selected from the combo box to the right.

Baud rate

Choose the baud rate for the communication to and from the target system. This option is only available when the **Use COM port** option has been activated. For the following systems the baud rate **must** be 38400

S5
S6
S10
S20

For all other systems (S2 and ALCR) the baud rate **must** be set to 19200

ISDN settings

Activate ISDN (CAPI 2.0 installed)

Check this option if the PC system on which the Network Services are running has a ISDN card installed are correctly configured, and you require that a connection via ISDN is needed to contact a target system. If no valid CAPI driver can be found, then an error message will be shown and this
option de-activated. The CAPI driver **must** be compatible with version 2.0 of the CAPI standard.

OK

Saves any changes made, and closes the dialog. We recommend that you do not make any changes during an active connection as
this can lead to data loss.

Cancel

Cancels any changes made and closes the dialog
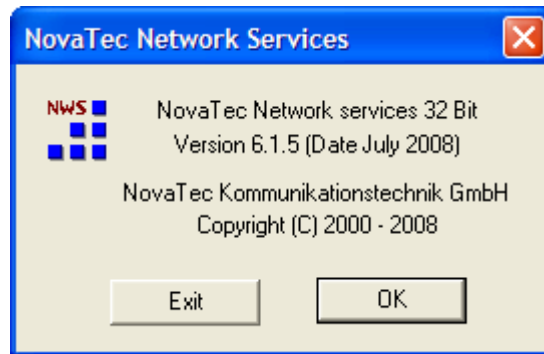
Help

Opens the help (this file)

Note

If any changes are made to the Network Service during a transfer to or from a target system, information may be lost. We recommend that no
changes are made to the Network Services settings during an active connection.

1.4   About

About

The about dialog shows the Novatec Network Services version information

Ok
Closes the NovaTec Network Services dialog

Exit
Exits the NovaTec Network Services. Any connections to a target system will be lost. Any active transfers will be aborted

2   What´s new

What´s new

What´s new in version 6.2

New Features

> None

Changes

> None

Bug fixes

> None

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