Handbook
NIVUS DataHub Software Tool

NIVUS DataHub

Revised Manual

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Translation

If the device is sold to a country in the European currency area, this instruction handbook must be translated into the language of the country in which the device is to be used. Should the translated text be unclear, the original instruction handbook (German) must be consulted or the manufacturer contacted for clarification.

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Change History

Rev.	Date	Changes	Editor
02	15.10.2019	Branch Office NIVUS France (p. 2), Chap. 1.2 and Chap. 3	KG
01	19.12.2018	Addition Chap. 6	KG
00	27.11.2018	New document	KG

Table of Contents

1 General Information

Prior to installing or operating NIVUS DataHub read this software handbook carefully. Keep this software handbook in a place where it is accessible to all users at all times. This software handbook contains any information required for the intended use of the software.

Screenshots and Application Examples

All screenshots contained within this documentation are application examples. Depending on the operating system and the software version of the installed tools the representation may vary from the actual screen display.

1.1 Notes to the User

The software manufacturer is assuming that the reader/user is familiar with the basics of the operating system (Windows 7, Windows 8 or Windows 10) and in particular how to operate it. Basic control elements such as e.g. mouse, windows, buttons and similar will not be explained separately but knowledge about this is assumed.

1.2 Disclaimer

2 Basics

The NIVUS DataHub is a communication program with simplified output of data. By using a server connection you can read out device data. Moreover, the data can be

- saved locally
- transmitted to FTP server
- transmitted via e-mail

as *.csv files or in Topkapi format

NIVUS DataHub supports the units below:

- NivuLink Micro
- NivuFlow Mobile

The Nivus DataHub can process data from several units simultaneously.
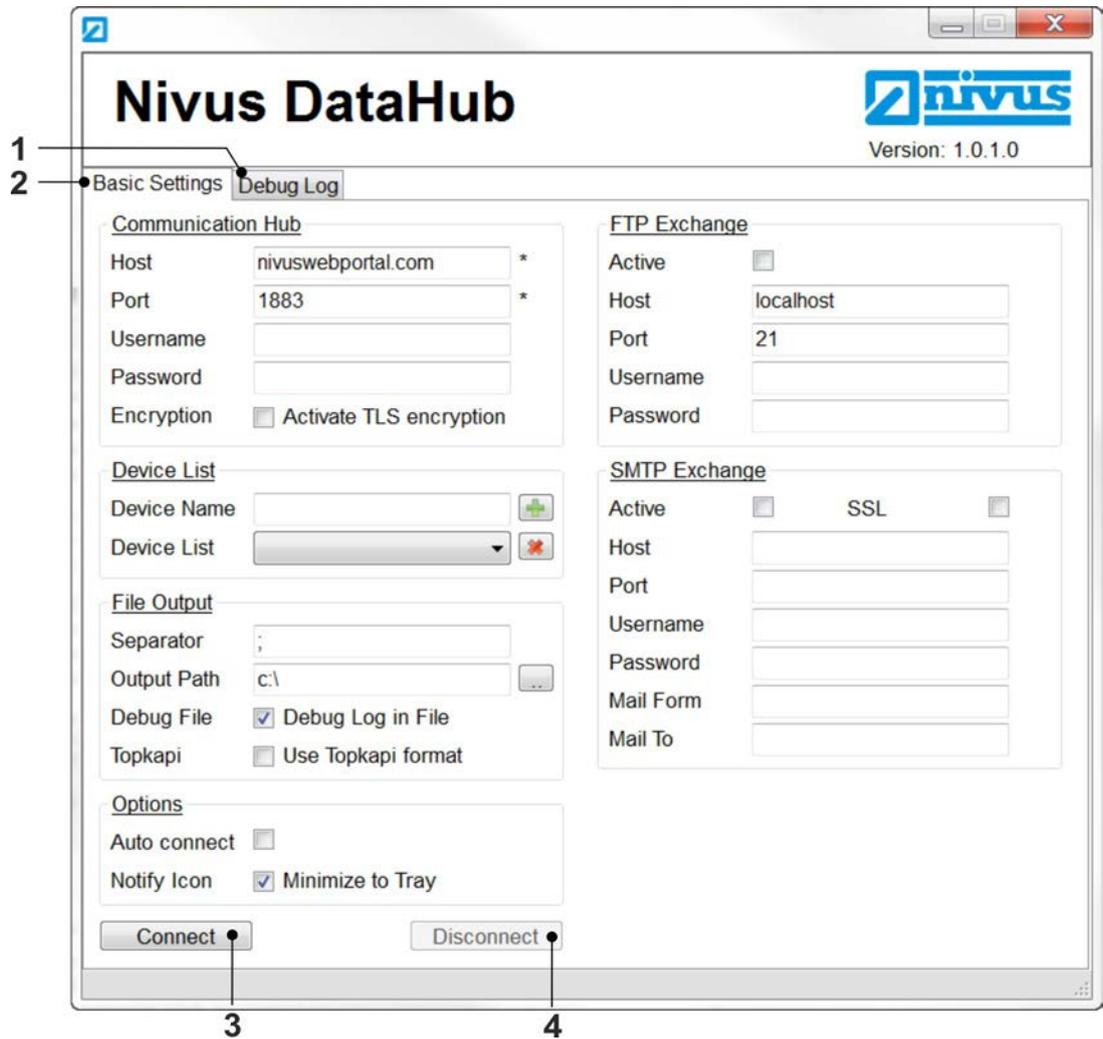
3 Installation

To order the NIVUS DataHub as ZIP file send an e-mail to datentechnik@nivus.com.

Install and open NIVUS DataHub

➲ **Procedure**

1. Save ZIP file locally
2. Unzip the file
3. Open the unzipped directory
4. Double-click the NivusDataHubSetup_VerXXXX.exe installation file and follow the instructions on the screen
   → NIVUS DataHub installs and creates links in the start menu and on the desktop.
5. Open the "NIVUS DataHub" link
   → The NIVUS DataHub start screen opens.

4 Start Screen

1	**DebugLog** tab, description see chapter *6 DebugLog*
2	**Basic settings** tab (here open), description see chapter *5 Basic Settings*
3	Button Connect : connects to the Communication Hub
4	Button Disconnect : disconnects from Communication Hub

Fig. 4-1: Start screen

5 Basic Settings

In the **Basic Settings** tab you can find the options below:

- Communication Hub: server used for data transmission
- Device List: list of devices from which data are requested
- File Output: storage location and format of output files
- Options: start and minimising options of NIVUS DataHub
- FTP Exchange: options for storage of files on FTP server
- SMTP Exchange: options for sending files via E-Mail
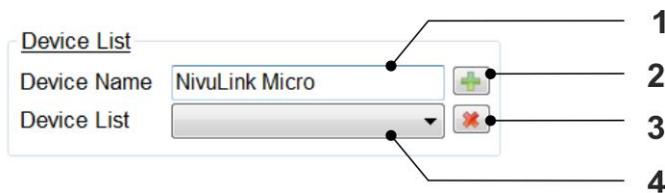
5.1 Communication Hub

Configure the connection to Communication Hub here. Communication Hub is the server used for the transmission of data between device(s) and NIVUS DataHub.

The connection options can be found in the following table.

Field	Description	Remarks
Host	Input field for IP address or Communication Hub domain	Mandatory
Port	Input field for the port	Mandatory
Username	Input field for user name	Optional, specifications required only if Communication Hub has been set up accordingly.
Password	Input field for password	
Encryption	☑: Connect to Communication Hub using the TLS 1.2 encryption protocol ☐: Connect to Communication Hub without extra encryption	If TLS encryption is active the Communication Hub must be configured for the encryption protocol as well.

5.2 Device List

Specify the devices from which data are to be requested here.
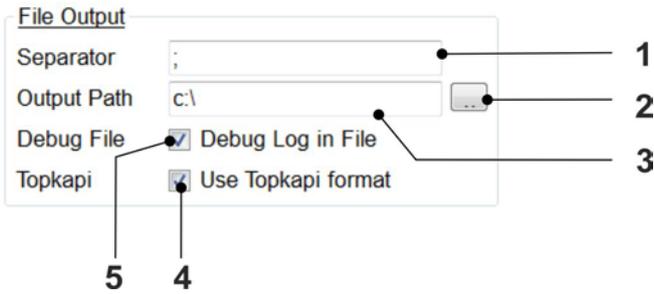

1	Input field for device names according to device configuration
2	Adds device (**1**) to the Device List
3	Removes selected device (**4**) from the Device List
4	Open Device List to select and then remove (**3**) a device

Fig. 5-1: Basic Settings: Device List Options

5.3   File Output

This menu is used to configure the file format as well as the file storage location.
Files are saved in the current directory if no storage location is configured.

1	Input field for the separator (separating character in CSV-file).
	Standard setting: ; (semicolon).
2	Open the file manager to navigate to the desired storage location.
3	Input field for the path directory where files are to be saved. In this directory NIVUS DataHub creates a subdirectory for each device.
4	☑: Data is saved in Topkapi format.
	☐: Data is saved in CSV format.
5	The program sequence is saved in the **DebugLog** tab.
	☑: The program sequence is saved in directory (**3**).

Fig. 5-2: Basic Settings: File Output Options

5.4   Options

Configure start and minimising options here.

Field	Description
Autoconnect	☑: Connection to Communication Hub is made automatically on the start of the program.
	☐: Connection to Communication Hub must be made manually after the program start using the Connect button.
Notify Icon	☑: After minimising NIVUS DataHub is indicated only in the notification area of the task bar angezeigt.
	☐: The NIVUS DataHub program icon remains to be in the task bar after minimising.

5.5 FTP Exchange

Optionally the files can be saved additionally on a FTP server automatically.

Specify the access data for the FTP server here:

Field	Description
Active	☑: Files are saved on FTP server
Host	Input field for IP address or domain of the FTP servers
Port	Input field for the port
Username	Input field for the user name
Password	Input field for the password

5.6 SMTP Exchange

Optionally the files can be sent additionally via E-Mail automatically.

Specify the access data for the e-mail service here:

Field	Description
Active	☑: Files are sent via e-mail
SSL	☑: E-mails are transmitted using a SSL connection
Host	Input field for IP address or domain of the mail service
Port	Input field for the port of the mail service
Username	Input field for the user name of the mail account
Password	Input field for the password of the mail account
Mail From	Input field for the e-mail sender's address
Mail To	Input field for the e-mail recipient address

6 DebugLog

The following information the program sequence are recorded in the **DebugLog** tab.

Column	Options	Description
Date	-	Time stamp of record (system time).
Text	DataHub connected with [Login-ID]	Connection to Communication Hub was established sucessfully using the specified login ID.
	DataHub disconnected	Connection to Communication Hub was disconnected.
	Can not establish connection. Please check your settings.	Connection to Communication Hub cannot be established. Verify settings.
	Added Historical values for [Device-ID] to [Time Stamp/Time Range]	Data recorded including the device ID and the time stamp of the data point or including the data range (UTC).

This information can be saved optionally, see chapter *5.3 File Output*.