vögtlin flow studio Quick Start Guide

vögtlin flow studio
Our single software solution

vögtlin
instruments

Table of contents

1. Introduction to vögtlin flow studio

vögtlin flow studio our single software solution for configuration, analysis, control and data recording of all Vögtlin instruments - all combinable in one overview

successor of get red-y Software

Key features of the current vögtlin flow studio software

One application for all devices at the same time: d·flux, red-y* family series

- **Device Manager:** Add and configure your devices according to your needs, allowing you to monitor and control process data in real time.
- **Graph Tool:** Visualize selected process data of your devices, all combinable in one overview
- **Data Logger:** Monitor and record selected process data of your devices and export them as an Excel Sheet.

*Please note that version 1.03 is especially useful for d·flux users. The red-y family series can be used as well with vögtlin flow studio, with limited functionalities compared to our legacy get red-y software. New functionalities will be made available in future updates

1.1 System Requirements

Operating System: Compatible with Microsoft Windows 7SP1, 8/8.1, 10, and Windows 11

Hardware: serial ports (build-in, USB dongle or virtual COM port)

Additional Requirements: With an Internet connection, vögtlin flow studio automatically informs you of new software updates.

2. Installation Process

Step 1: Download
Visit www.voegtlin.com website and download vögtlin flow studio from our software page.

Step 2: Run Installer
Open the downloaded ZIP file: **voegtlin flow studio Setup 1.0.X.exe**, and follow the on-screen instructions to install the software.

NOTE: In case you would get the message **Windows protected your PC**, as shown below just click "More info" and then select "Run anyway".

(for more details read our FAQs and troubleshooting below in this document)

Step 3: Setup and install
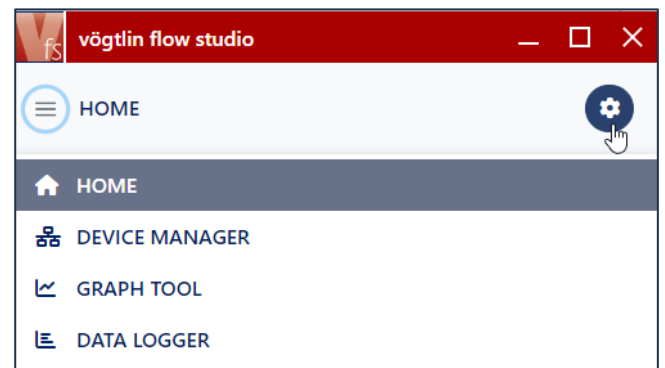complete the initial setup wizard and launch the software.

3. User Interface

3.1 Main Workspace:

Centralized area, currently defined by 5 menus, where users interact with their devices and data, view graphs, and record information, but also customizes software settings.

Depending on the window size, the menus will appear in various forms.

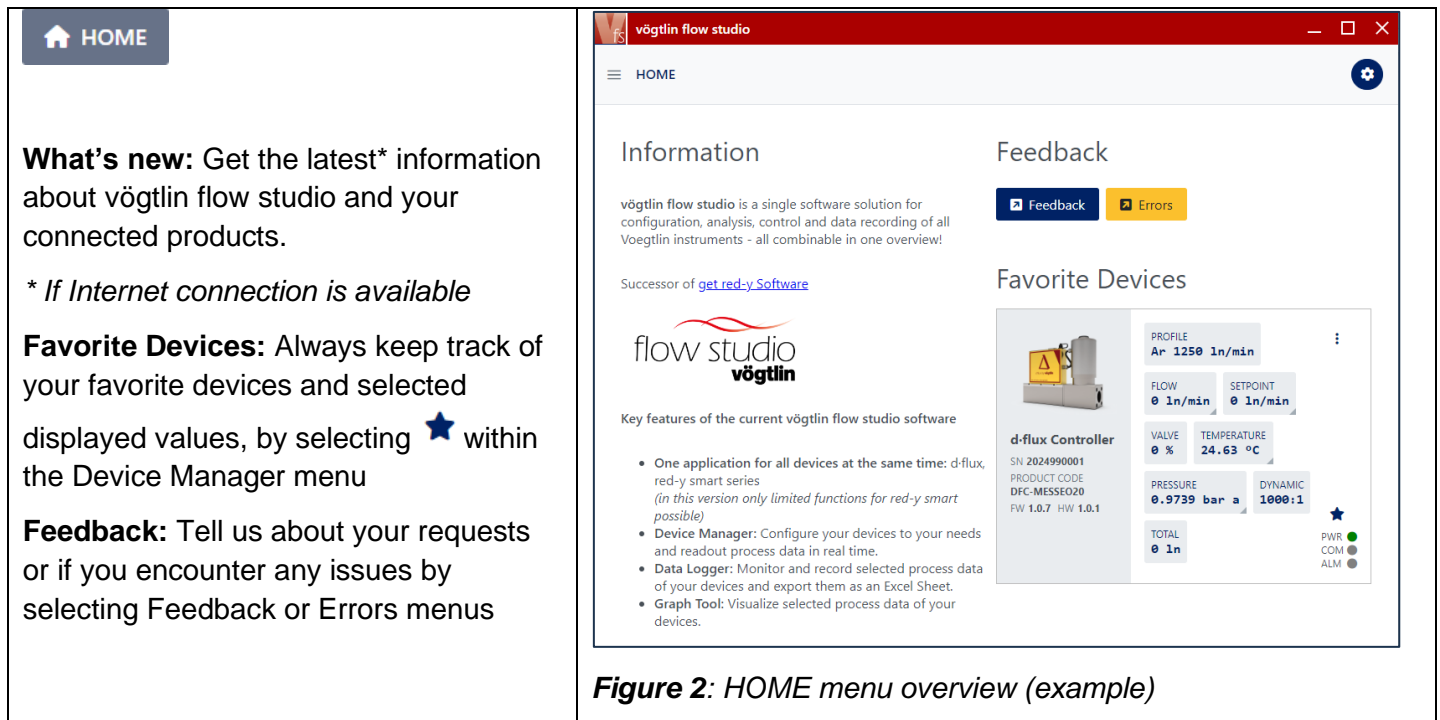

Figure 1: *menu bar by reduced window size*

Figure 1.1: *menu bar by large window size*

3.2 Home Menu

Get informed: Get the latest news about vögtlin flow studio and your connected products

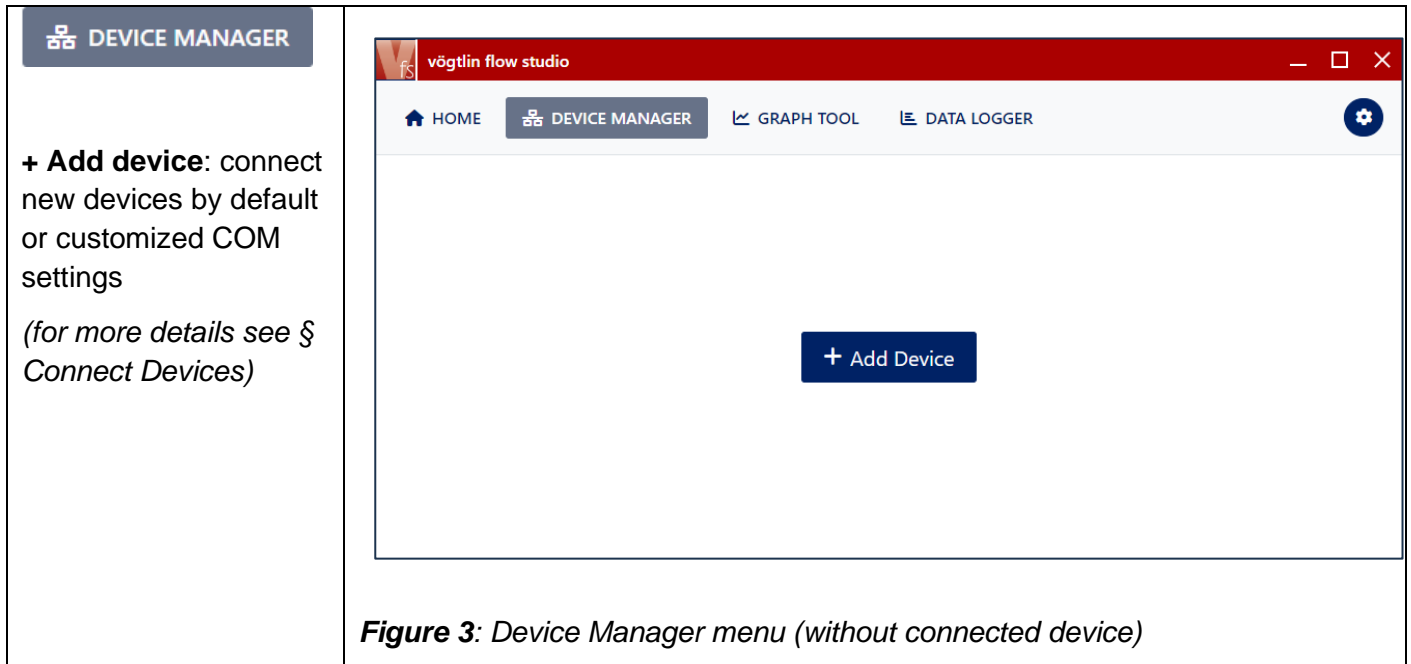**Talk to us:** Tell us about your requests or if you encounter any issues

What's new: Get the latest* information about vögtlin flow studio and your connected products.

* If Internet connection is available

Favorite Devices: Always keep track of your favorite devices and selected displayed values, by selecting ★ within the Device Manager menu

Feedback: Tell us about your requests or if you encounter any issues by selecting Feedback or Errors menus

Figure 2: HOME menu overview (example)

3.3   Device Manager Menu

Device List: View all connected devices along with their status and details.

Managing Devices: Add, remove, or configure devices and manage their settings for optimal performance.

⊞ **DEVICE MANAGER**	
+ Add device: connect new devices by default or customized COM settings *(for more details see § Connect Devices)*	*Figure 3: Device Manager menu (without connected device)*

Once your devices are connected

Rearrange devices view

Search Device by S.N. or Product Code name

Edit status by double clicking graph and reset **warnings e.g.**

Device Parameters

Define as **Favorit**

Dedicated information *(e.g. new available Firmware …)*

Edit Graph by double click Device Icon

Set the new value by double-clicking in fields showing this symbol

Figure 3.1: *Device Manager menu (example)*

3.4   Graph Tool Menu

Creating Graphs: Select and combine Device(s) data you want to visualize

Customizing Graphs: Adjust graph settings such as time scales, colors, and labels axis to suit your needs.

GRAPH TOOL

Combine devices and their signals on the same graph

At example Figure 4, we show the temperature of the two devices, in a minimum settings action of 4 steps.

1 Select your device

2 Select the signal you wish to display

3 Add the signal to the graph

4 Display the result

Figure 4: Graph Tool menu showing the temperature of two devices (example)

3.5   Data Logger Menu

Defined Data Logs: Select, combine and collect device(s) data to log,

Exporting Data: Export logged data in Excel format for further analysis. *(more formats will be made available in the upcoming vögtlin flow studio releases)*

Monitor and record selected signal data from your devices and export them in Excel format.

At example Figure 5, we record any errors or warnings from the device by a time interval of one second, in a 5 steps action.

Figure 5: Data logger menu (example)

4. Connect Devices in two steps

> **Step 1:** Use a COM port to establish a connection between your device and the software.
>
> *(quick tips)* Per default vögtlin flow studio will always check All COM (serial) ports for you.

(quick tips)
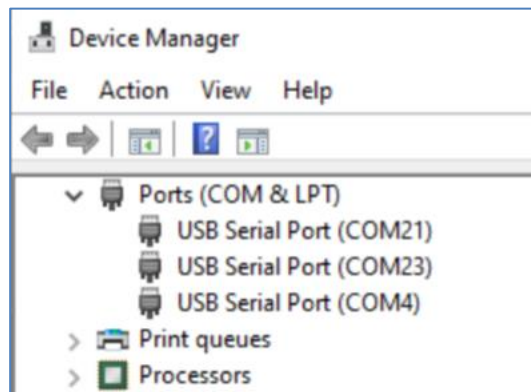### Only for Advanced users and in case you use several COM ports:

Reduce the device search time by selecting a **dedicated COM port,** within the modbus settings of vögtlin flow studio *(as shown at **Figure 7**)*

For that, find out which COM port is active in your configuration by using either solution **A** or **B**

A: using **Windows Device Manager**.

You can open the Windows Device Manager from the Windows Start menu	**Windows Device Manager** *Figure 6: Windows Device Manager for the recognition of the correct COM port*

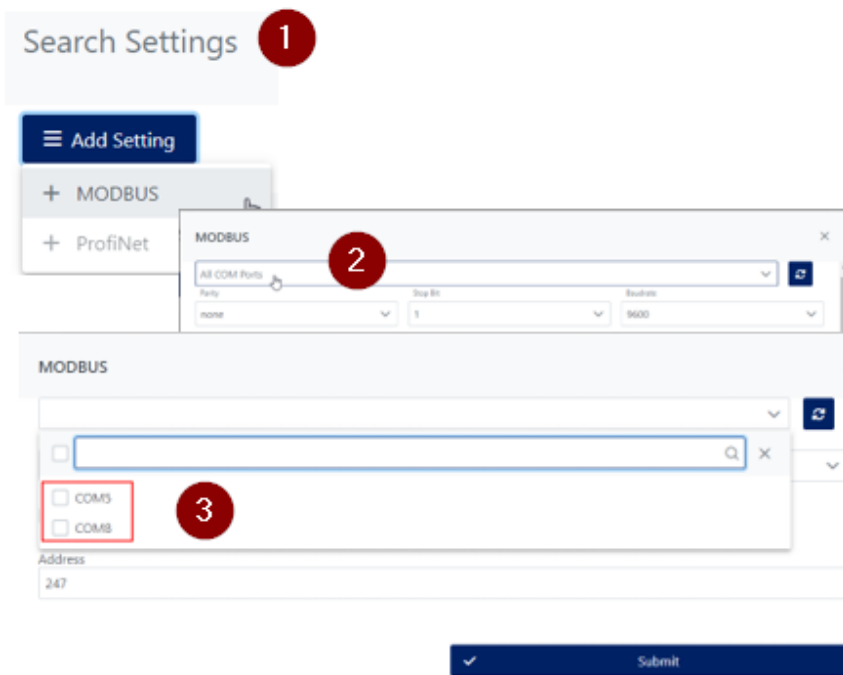**B:** within **Search Settings** of **vögtlin flow studio**

Within *vögtlin flow studio* open **Device Manger** menu, select **+Add Device**, and the setting Icon.	**Search Settings of *vögtlin flow studio***
1 Within **Search Settings** click **Add Setting +MODBUS**.	
2 Within the *MODBUS* window, open **All COM Ports** field	
3 Current available COM ports will be displayed	

Figure 7: Recognition of the correct COM port

🔄 *click to refresh the view after any connection change*

When using solution A or B:

Remove the PDM-U or USB-RS485 adapter from your current connection setup.
This will update the active COM ports in the Device Manager.

The COM port that is removed from the list is the port that you must select in the connection parameters. Reconnect the USB-RS485 adapter to the same location.

🔄 **Note:** within vögtlin flow studio, after you connect or remove any USB-RS485, do not forget to refresh the view by clicking the refresh button.
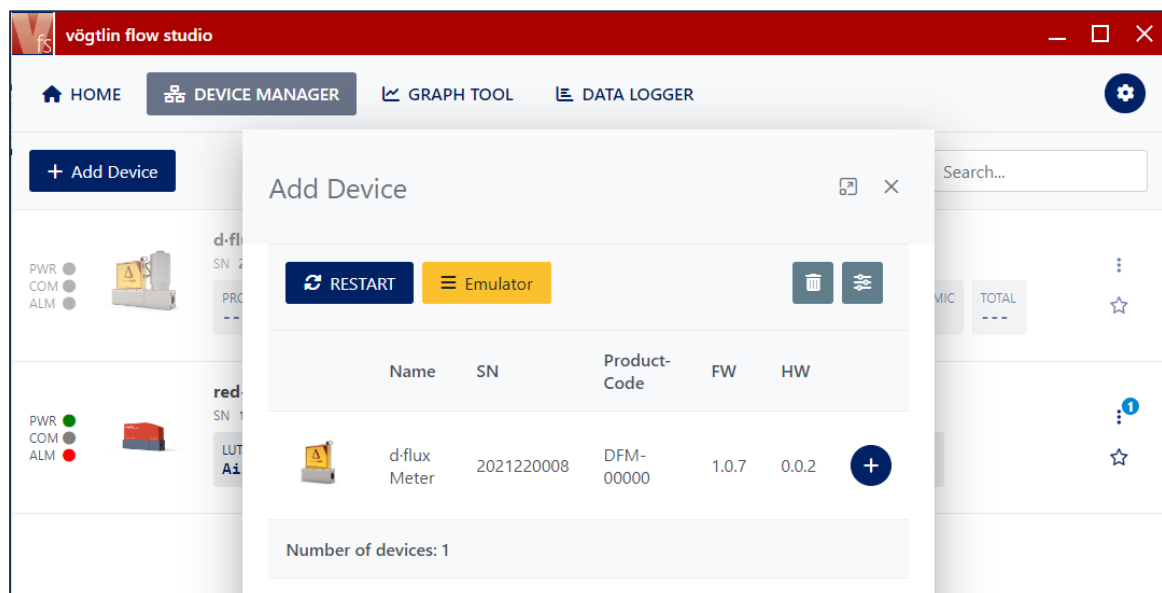
Step 2: Add Devices to vögtlin flow studio

C- **Add Devices using default Manufacturer settings**

D- **Add Devices using advanced and customized search settings**

The software will automatically recognize connected devices and list them in the Device Manager.

Add devices within the Device Manager

Figure 8: *Add Device menu within Device Manager (example showing other d·flux devices to be added)*

C: Device connection using the manufacturer's default settings

within　　🖧 DEVICE MANAGER　①

Click to　　＋ Add Device　②

and　　🔍 SEARCH　③

Default production Modbus settings, such as:

All COM ports, address 247, baud 9600, parity: None or Even*
will be used to find and list your device(s)

⚠️ * Vögtlin devices like red-y family and d·flux from FW V1.08 use the Modbus parity "None" by default.
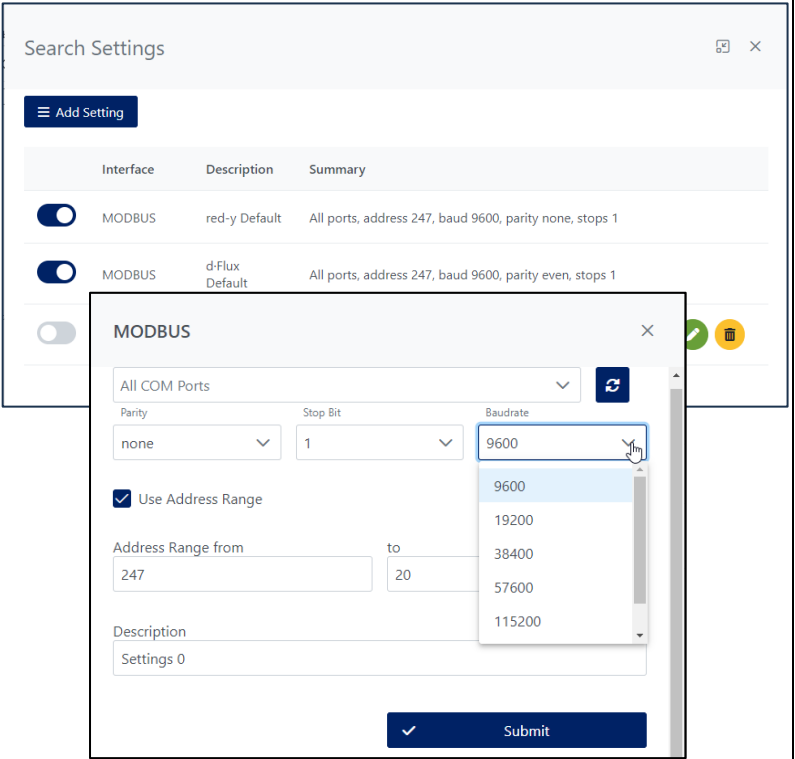

Figure 9: *Start search device per default, will use manufacturer Modbus RTU settings*

D: Add Advanced and customized search settings

⚙️ **Add Advanced and customized search settings**

Within the menu **Add Device**,

select this ⚙️ Icon, to add your customized Modbus RTU Settings.

Figure 10: *within Search Settings add your Modbus customized Settings*

5. Updating of vögtlin flow studio

We regularly release new features and bug fixes.

Vögtlin flow studio notifies you when a new version is released and can be updated directly from within the software.

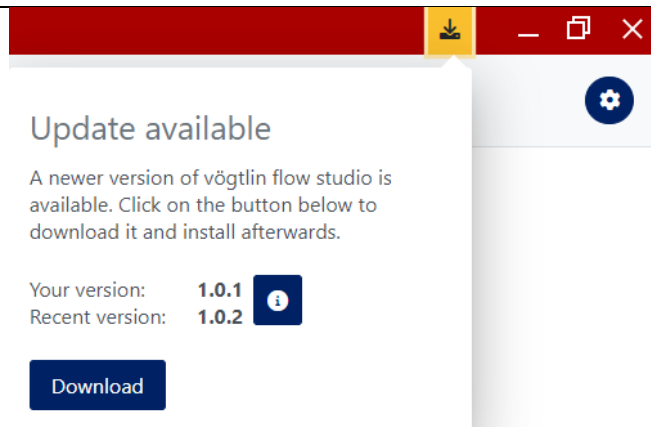⬇ If the current version is out of date, a download Icon will appear* in the top right corner of the window.

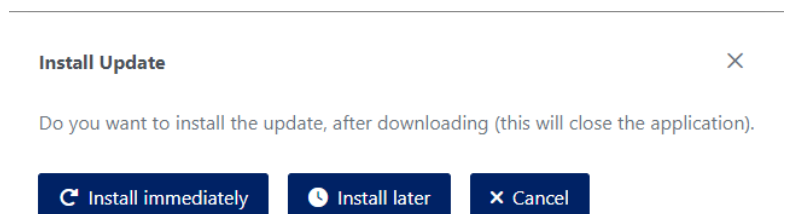(* If an Internet connection is available)

ⓘ To read what will change in the new version, select the Info Icon within the update window.

To update vögtlin flow studio, select the download button.

A confirmation screen will appear asking if you wish to update immediately or at software shut down.

Figure 11: *update menu by selecting the download Icon (example)*

Figure 12: *after you clicked "Download "*

Figure 13: *software version & release notes information available over the software settings by* ⚙

6. FAQs and troubleshooting

6.1 Windows Defender blocks installation

Windows Defender may give a warning about untrusted application and disallow further installation of vögtlin flow studio.

This message is related to a new code signing certificate used to sign vögtlin flow studio executable. Windows Defender will stop showing the message once it "knows" enough copies of vögtlin flow studio around the world.

If SmartScreen security level is set to "Warn", just click "More info" and then click "Run anyway".

If SmartScreen is set to level "Block" there will be no button to run the installation. In this case, open the properties of the downloaded exe file, and check "Unblock", apply the change and run the exe again.

7. Appendix

7.1 Copyright and Liability Disclaimer

All rights reserved. No part of this publication may be reproduced in any form or by any means without the publisher's prior written permission.

The content of this manual is provided for information only and may be altered without prior notice. Vögtlin Instruments GmbH assumes no responsibility or liability for any errors or inaccuracies in this document.

7.2 Contact information

If you have suggestions or encounter issues, please send them via the Feedback or Error menus. Use the 'Feedback' or 'Error message' forms in the home or settings menu.

We greatly appreciate your input, which helps us improve vögtlin flow studio.
Thank you for using our software.

Find also your local Vögtlin sales partner on our website: www.voegtlin.com

7.3 History change document

Date	Version	Replaces	FW	Author	Note
24.09.2024	V1.0			D.HAE	Release of QSG