

HighFinesse
The Standard of Accuracy

HighFinesse Tutorial

Extracting data from the Wavemeter WS6 Standalone

February 18, 2022

Important notice

Make sure the proper version of Visual C++ Redistributable for Visual Studio for your operating system is installed. You can download it here:

<https://support.microsoft.com/en-us/help/2977003/the-latest-supported-visual-c-downloads>

Then please run the vc_redist.x64.exe (vc_redist.x86.exe for 32 bit).



This tutorial shows you how to ...

... extract data from the HighFinesse Wavemeter WS6 Standalone using the HighFinesse NetGUI and LongTerm application.

How to ...

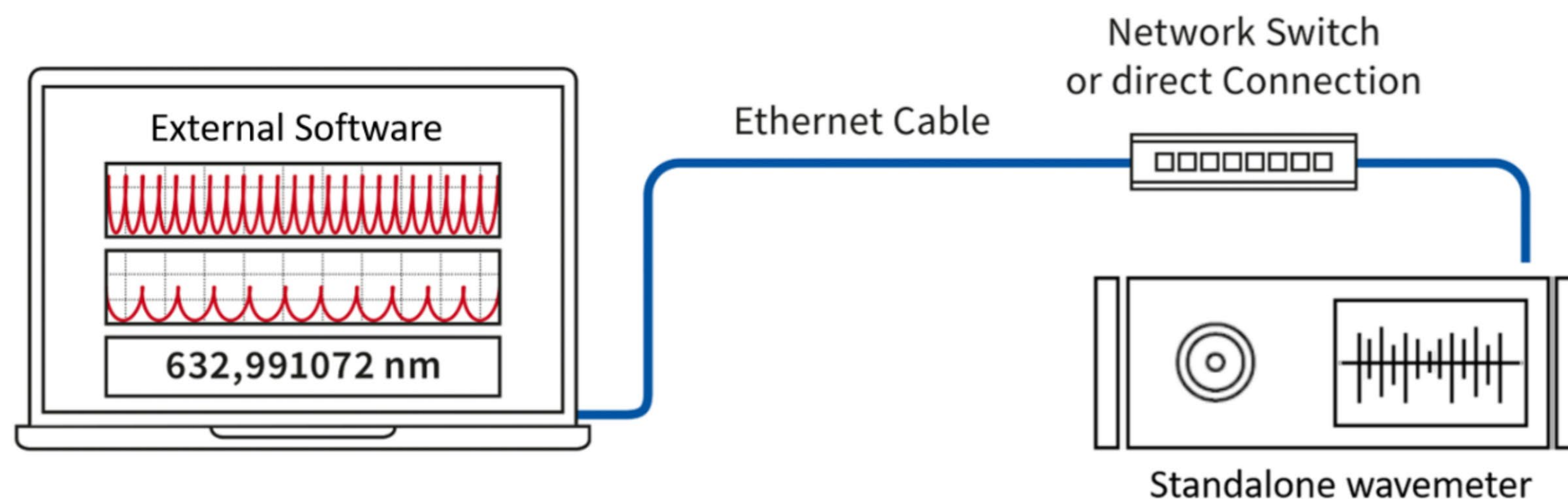
... use your own code to access a HighFinesse wavemeter.

HighFinesse Tutorial

HighFinesse NetAccess



1



Connect the wavemeter to the Network.



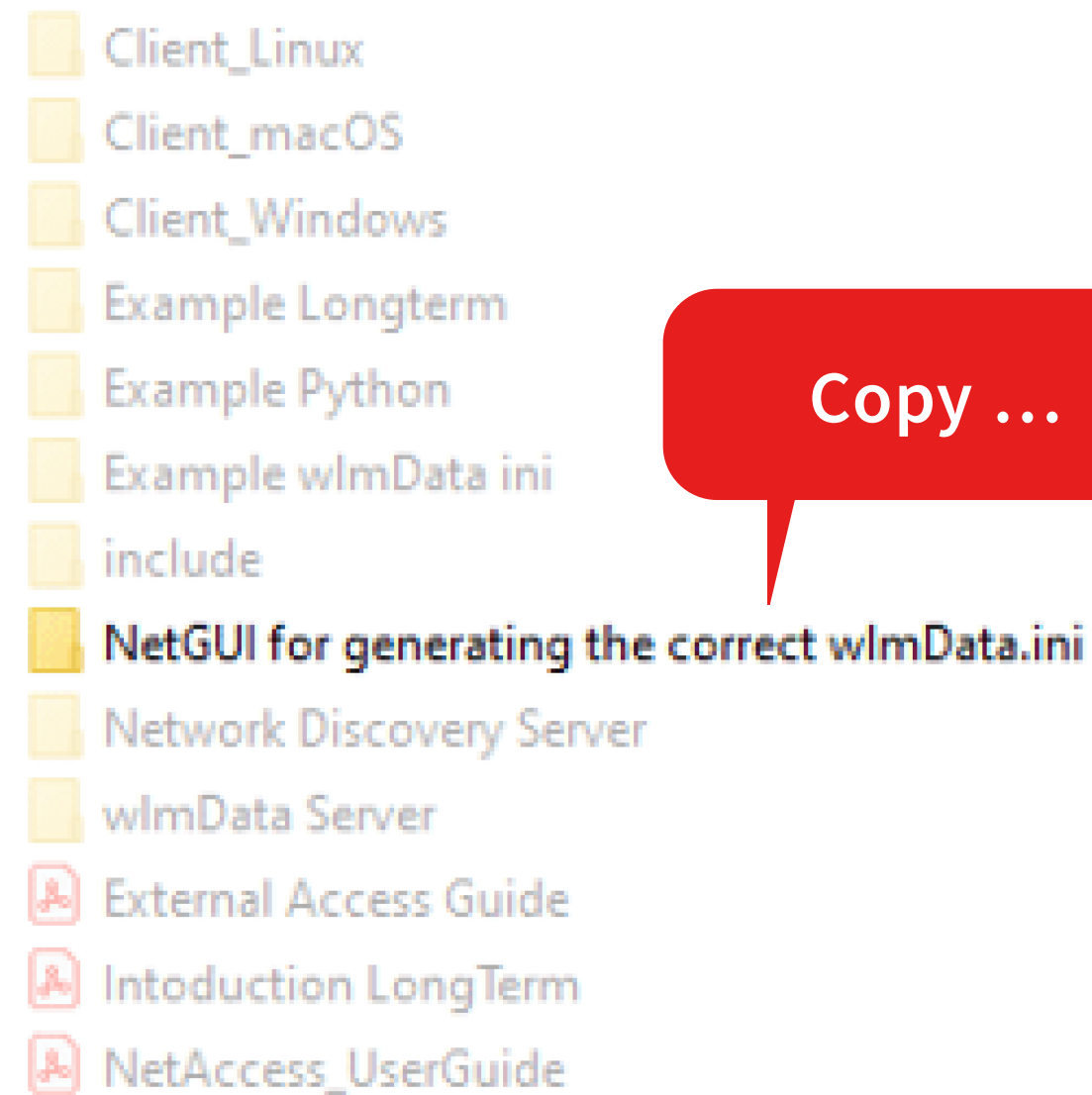
2

Connect the **USB stick** with the **HighFinesse Standalone Accessories** to your computer.

If you have lost the USB stick download the files using the link below:

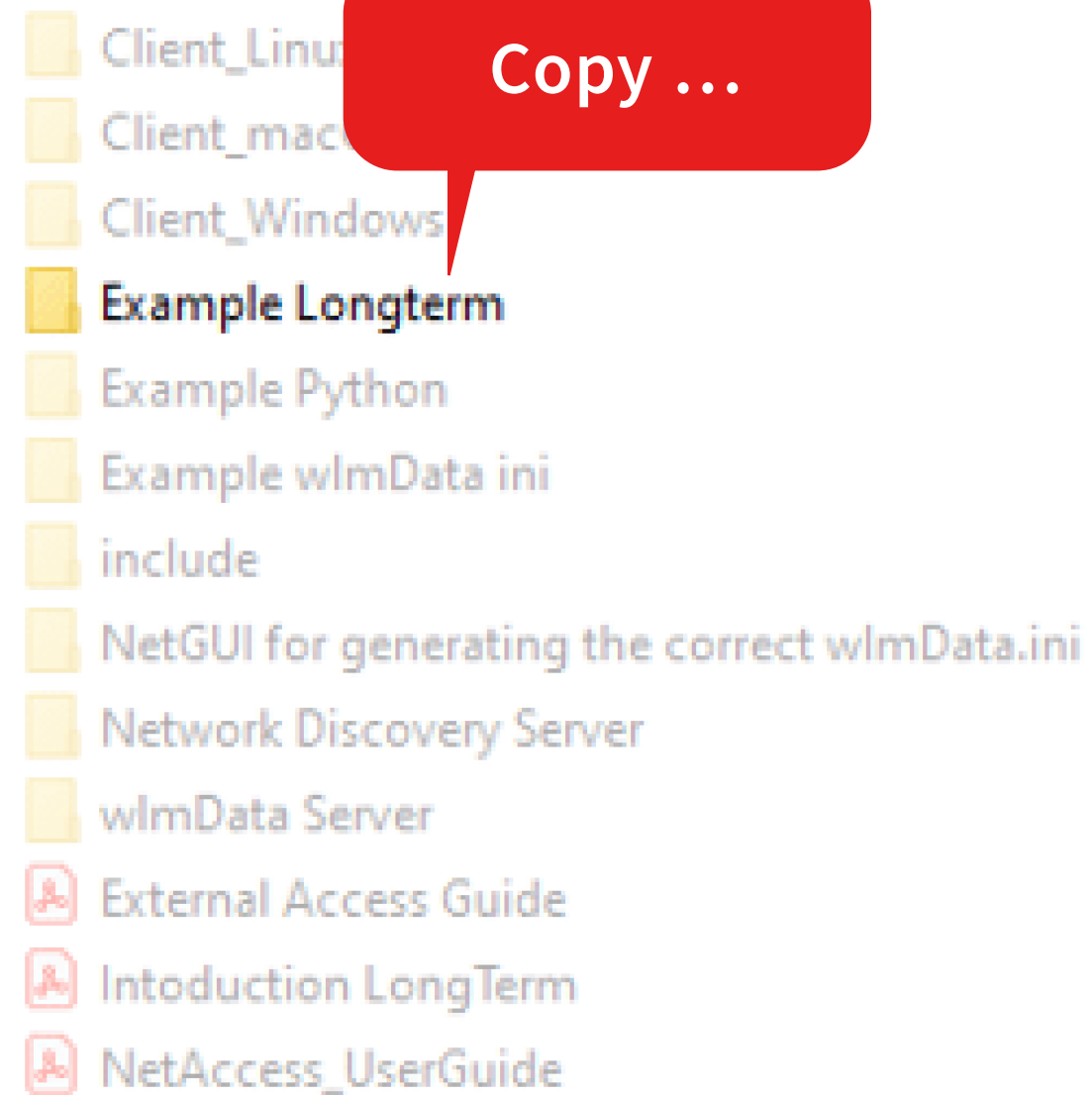
[https://
www.highfinesse-downloads.com/
download/
6mcxfh5nw96w](https://www.highfinesse-downloads.com/download/6mcxfh5nw96w)

6



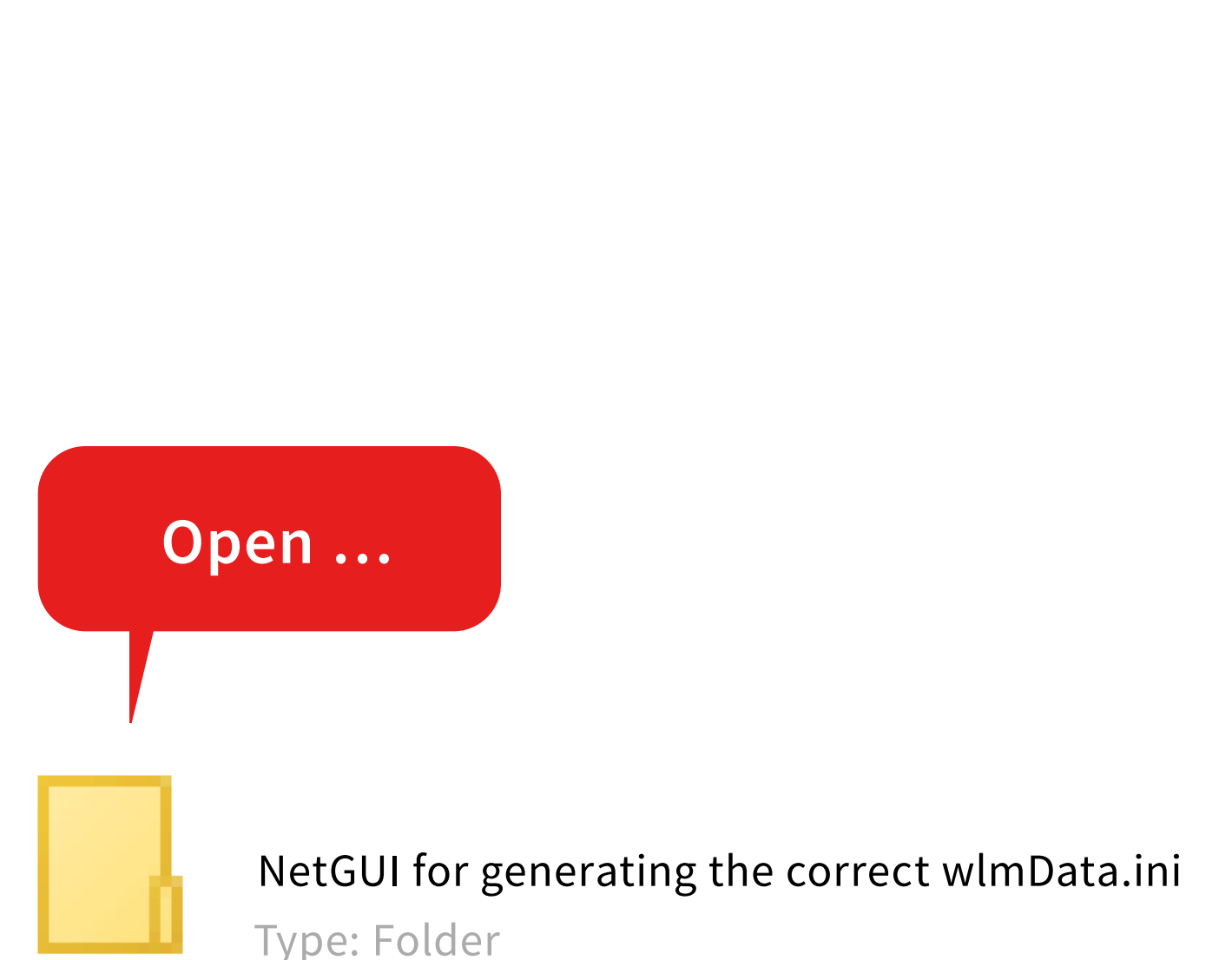
Copy the folder
NetGUI for generating the correct wlmData.ini to your computer (for WS6 Standalone only).

7



Copy the folder
Example Longterm to your computer.

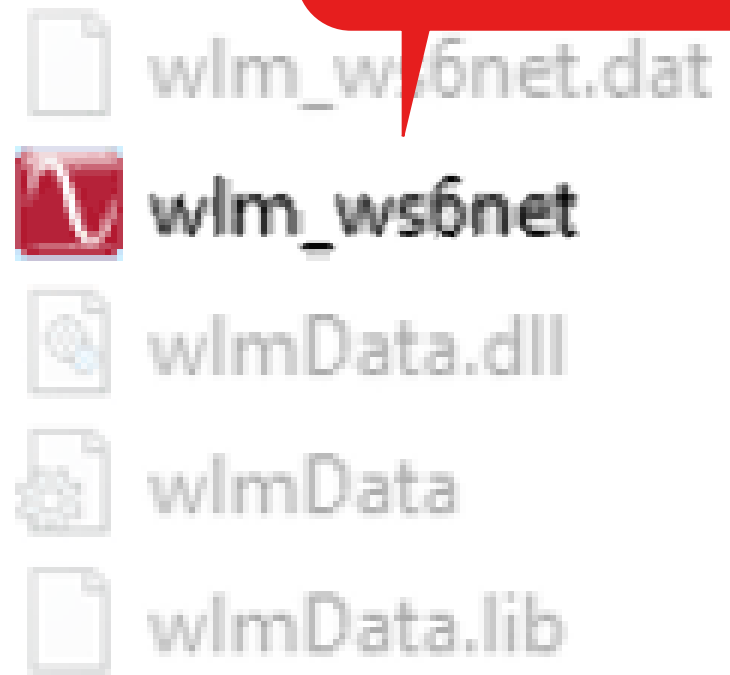
8



Open the folder **NetGUI for generating the correct wlmData.ini** (for WS6 Standalone only).

9

Open ...



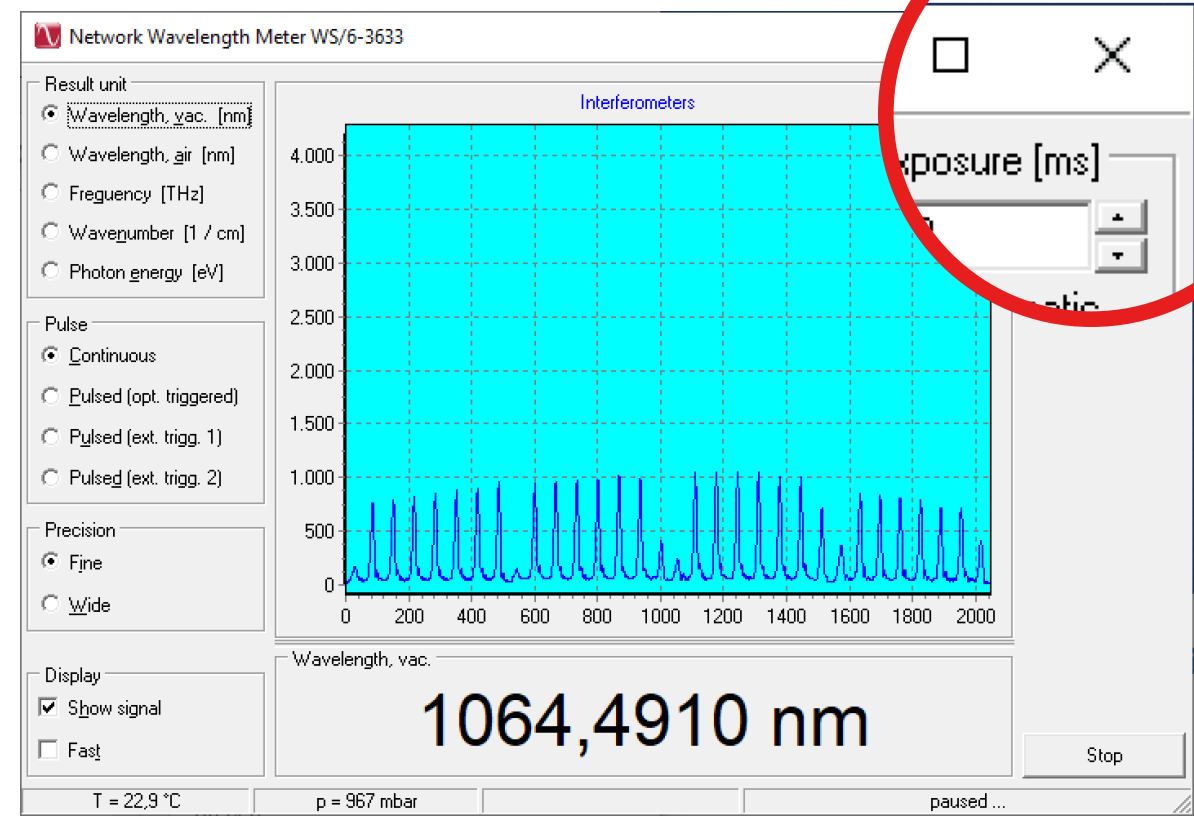
Start the **NetGUI** by opening **wlm_ws6net** to test the connection.

In order to use the program UPD has to be allowed in your network. The NetGui can be used to adjust the measurement settings and monitor the interferograms.



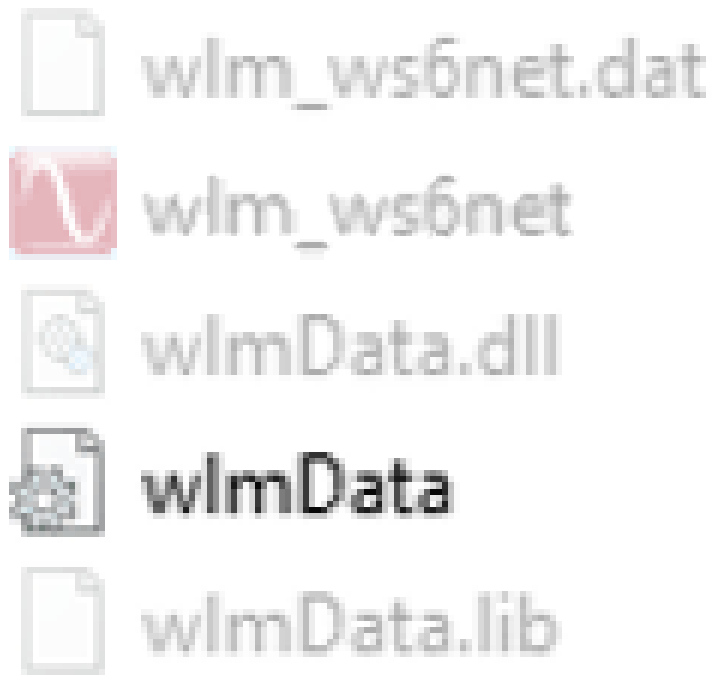
10

Close ...



Close the **NetGUI**.

11



Result:

The **NetGUI** has automatically overwritten the file **wlmData.ini** located in the same folder.

12

Open ... with texteditor

| File Name | Size | Type |
|----------------|--------|------------------------|
| wlm_ws6net.dat | 993 KB | DAT File |
| wlm_ws6net.exe | 497 KB | Application |
| wlmData.dll | 121 KB | Application extension |
| wlmData.ini | 1 KB | Configuration settings |
| wlmData.lib | 36 KB | Library File |

Open the file **wlmData.ini** in this folder with an texteditor.

- Notepad
- Visual Studio Code
- WordPad
- Search the Microsoft Store
- Choose another app

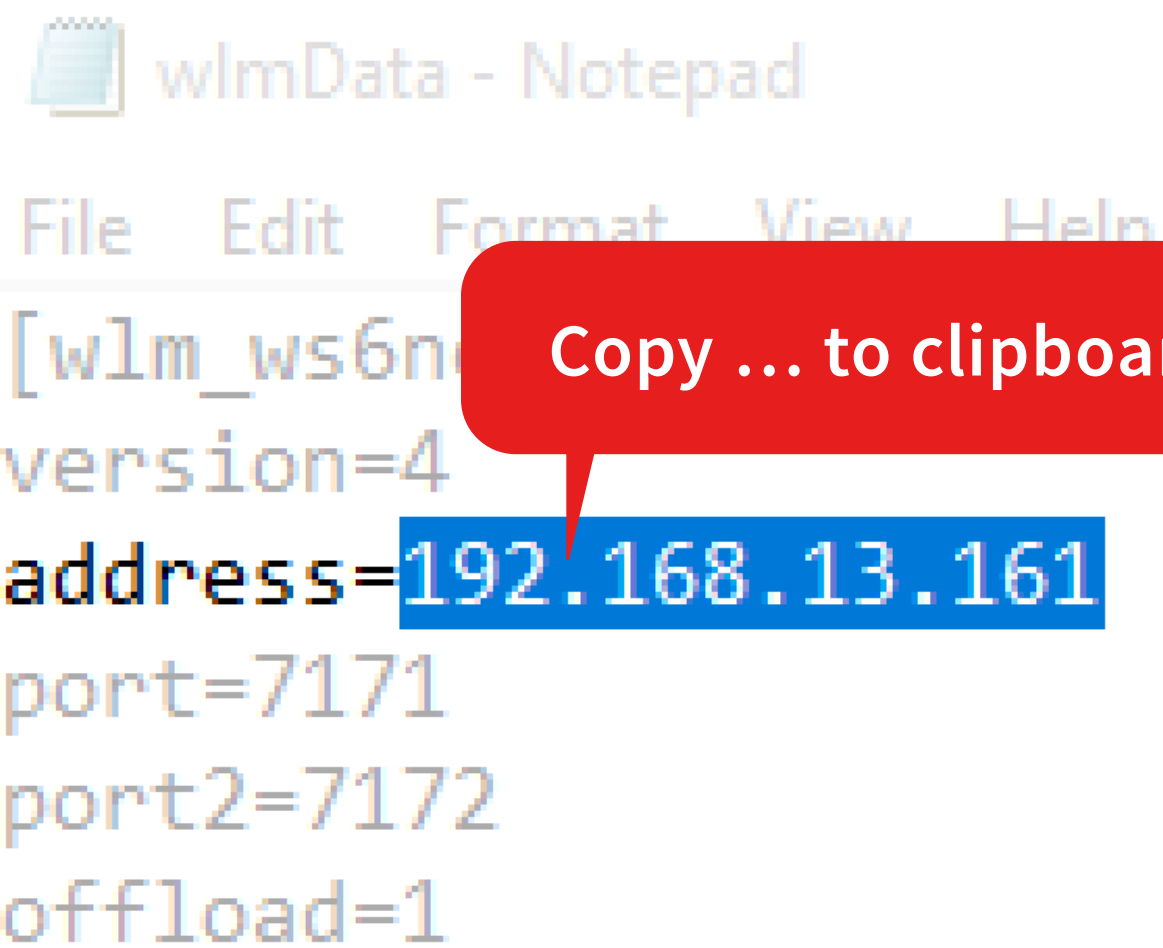
13

```
File Edit Format View Help
[wlm_ws6net.dat]
version=4
address=192.168.13.161
port=7171
port2=7172
offload=1
```

The file shows you the **IP address** of the standalone instrument in your network.

In this example it is **192.168.13.161**

14

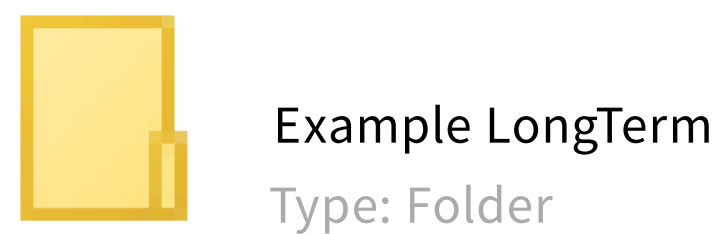


```
wlmData - Notepad
File Edit Format View Help
[wlm_ws6n
version=4
address=192.168.13.161
port=7171
port2=7172
offload=1
```

Copy ... to clipboard

Copy the **IP address** to your clipboard and close the folder and the **wlmData.ini**.

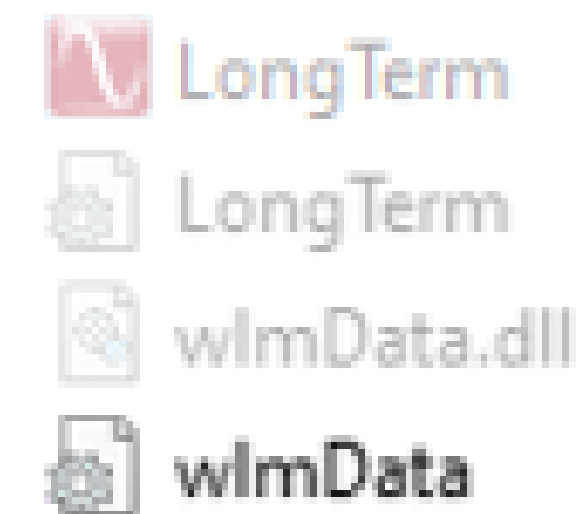
15



Open ...

Open the folder **Example LongTerm ...**

16



Open ...

... and open the file **wlmData.ini** with an texteditor.

19



Save ... and close

Save the file **wlmData.ini**
... and close this file.

20

Open ...



Start the **LongTerm.exe**.

This program allows you to **log the wavelength and additional measurement data**.

See also: **Introduction LongTerm.pdf**

It also allows you to **save the data as an ASCII file**.

More detailed description of the application, see:

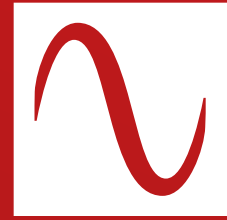
How to ...

... control the wavemeter with your own application via the network.

HighFinesse Tutorial

NetAccess_UserGuide.pdf





HighFinesse

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