

TEMPERATURE MANAGEMENT

Manual UETR-MOST-SW „Maintenance and Settings“



A T T E N T I O N :

This software is intended for maintenance, configuration and monitoring of the UETR-MOST-16A temperature controller and it is designed as a Micro-soft™ -ClickOnce-Application.

For the operation of this software the UETR-MOST-USB interface-cable is required. The interface-cable can be purchased at uwetronic GmbH or at any of it's distribution channels. Only with the interface-cable the operation is possible and permitted.

When using the software with the UETR-MOST-USB, the operator accepts the attached licence agreement (PAGE 4). If the license agreement is not accepted, the software may not be operated.

NOTICE:

In the text “temperature controller” is used as a synonym for the UETR-MOST-16A temperature controller.

Start:

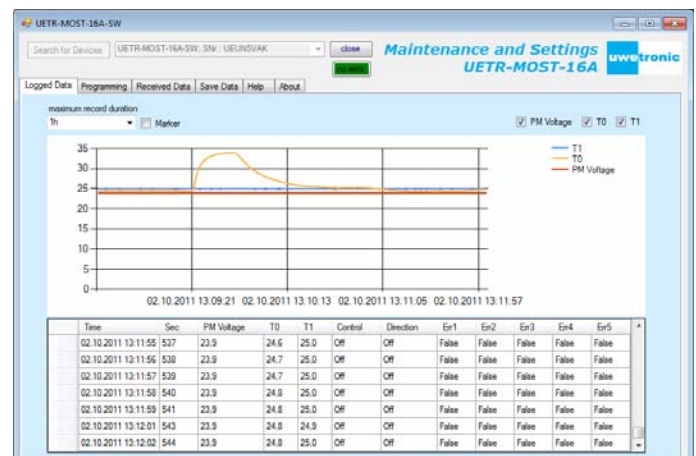
1. The driver for the interface-cable is also supplied and must be installed before operation on the PC.
(CDM20814_setup.exe). See example.

Current versions of the driver can be found here:
<http://www.ftdichip.com/Drivers/D2XX.htm>

2. The connection must be done on the serial interface of the UETR-MOST-16A as following:
RED to X1 (Rx),
YELLOW to X2 (Tx)
Black to X4 (GND)
3. The temperature controller must be powered on and must be supplied with the correct voltage.
4. Run Setup
5. Initialize the connection by pressing the „Search for Devices“ button and choose the interface-cable with the shown serial number.

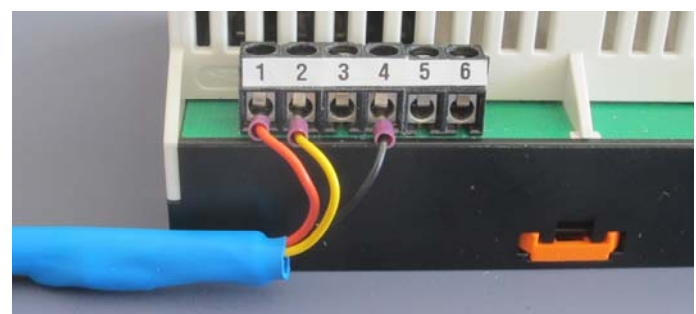
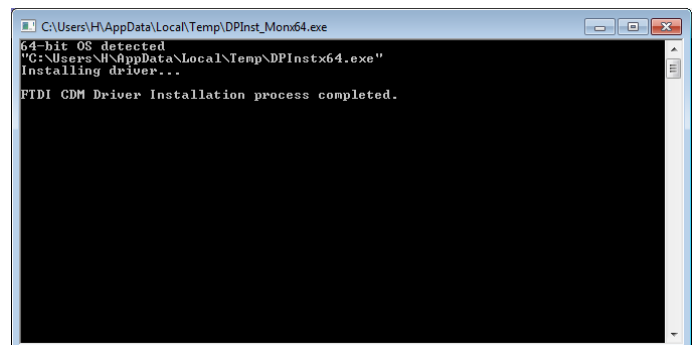
Disconnection:

- Use the button „close“ to disconnect the connection to the temperature controller

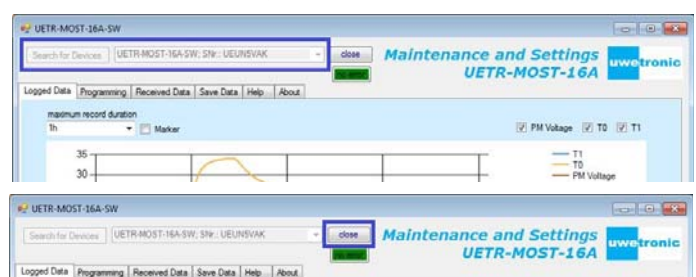


System requirements:

- ◇ Windows OS WinXP or newer (SP3)
- ◇ Chipset at least 2.0 GHz
- ◇ Memory (RAM) 1024 MB
- ◇ Graphics: Standard
- ◇ Screen resolution: 1024x768 min.



ATTENTION! An incorrect connection to the controller can destroy the interface module.

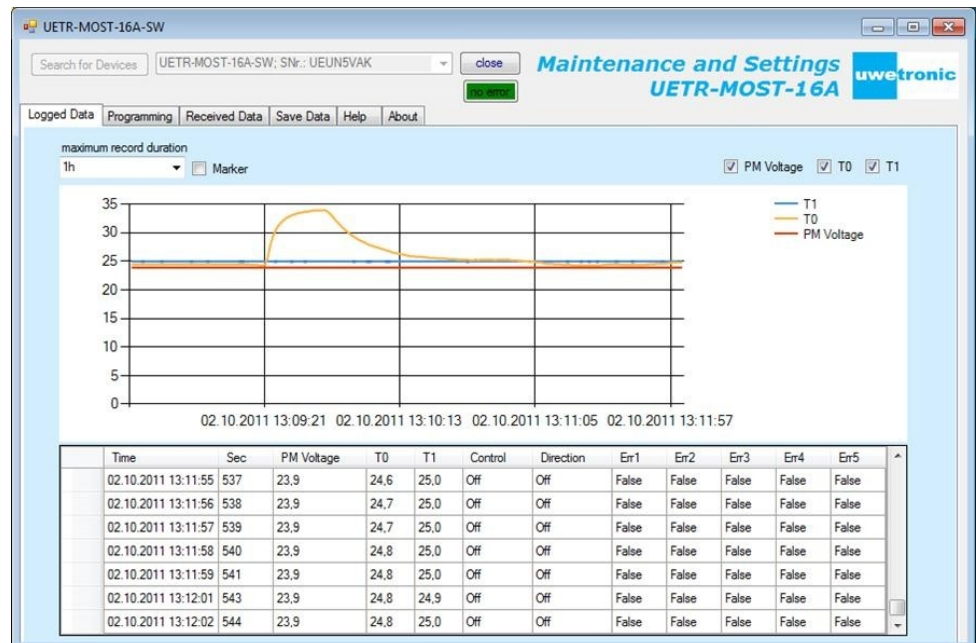


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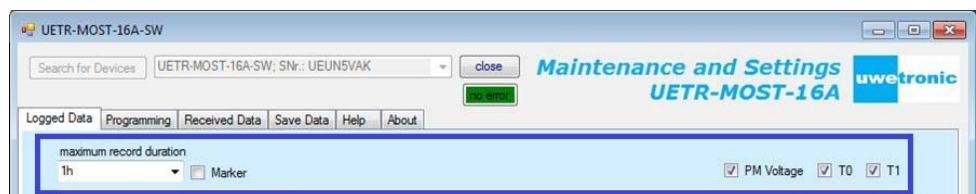
Logged Data

Aside of "Programming" this frame is the most relevant information on the current operation of the temperature controller. Data of temperature as well as the supplied voltage are shown graphical and are also included in the table. Moreover the list also provides information on the date of measurement, time in seconds from start of program, and the status modes "control", "direction", "Err1" to "Err5" of the temperature controller.

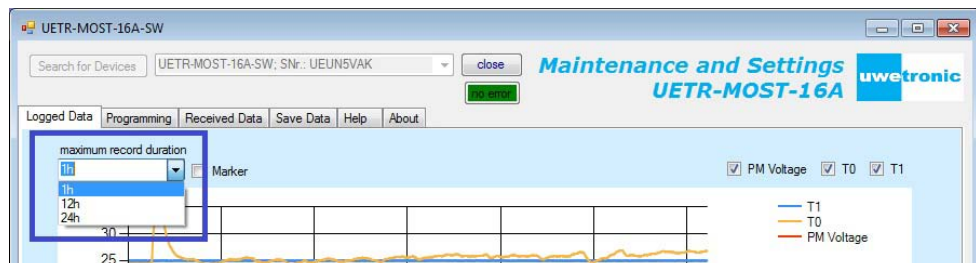
The "blue marked" spots are the just explained features.



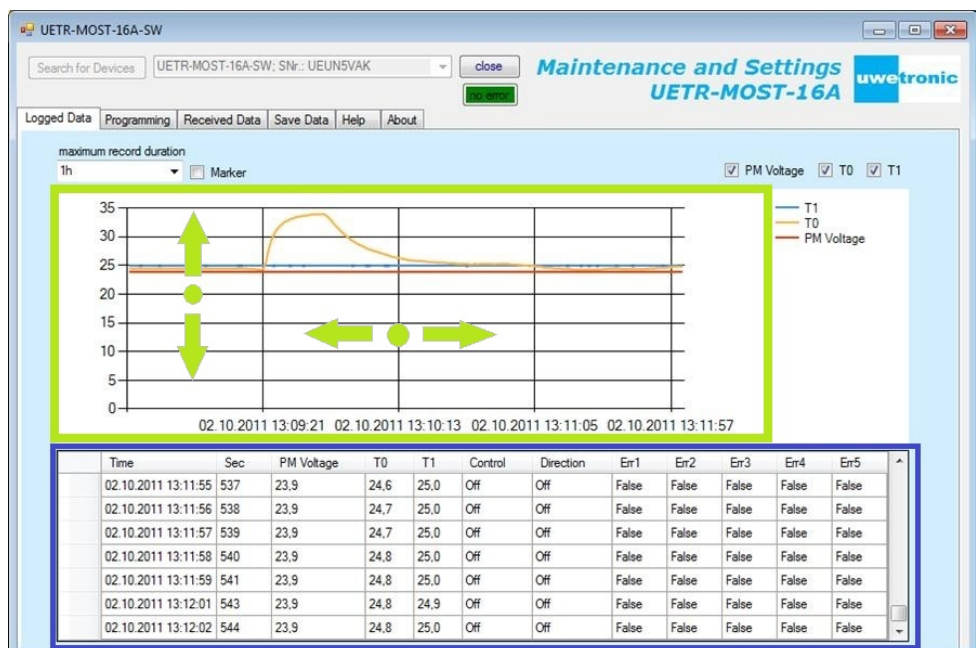
The display in the chart can be adjusted according to the available options.



For the "maximum record duration" 1h, 12h or 24h can be selected.



In the diagram the scales can be changed by clicking and holding the left mouse button. (green box and arrows). A special option is included in the list table, as the containing values can be copied directly into a MS-EXCEL™ Spreadsheet. All other forms of representation can be taken as usual with Windows "drag and drop" in your own documents.



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Programming

"Programming" is used for the monitoring and the programming of the operation- and setvalues of the temperature controller. This frame contains all options and possible settings that are available on the controller.

The operation parameters of **"controller settings"** are named the same way as in the manual of the controller.

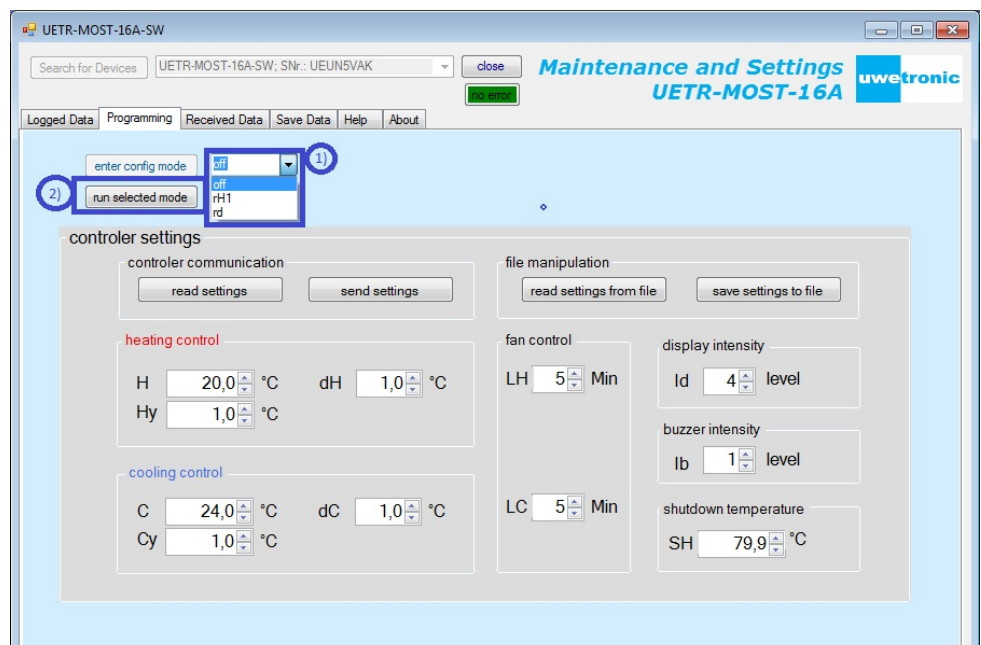
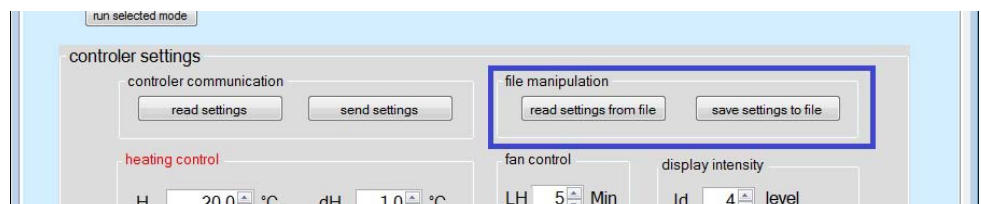
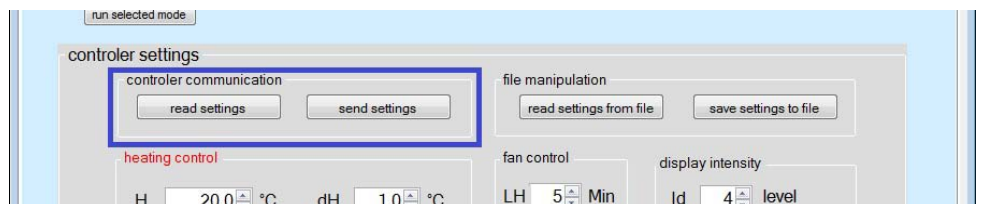
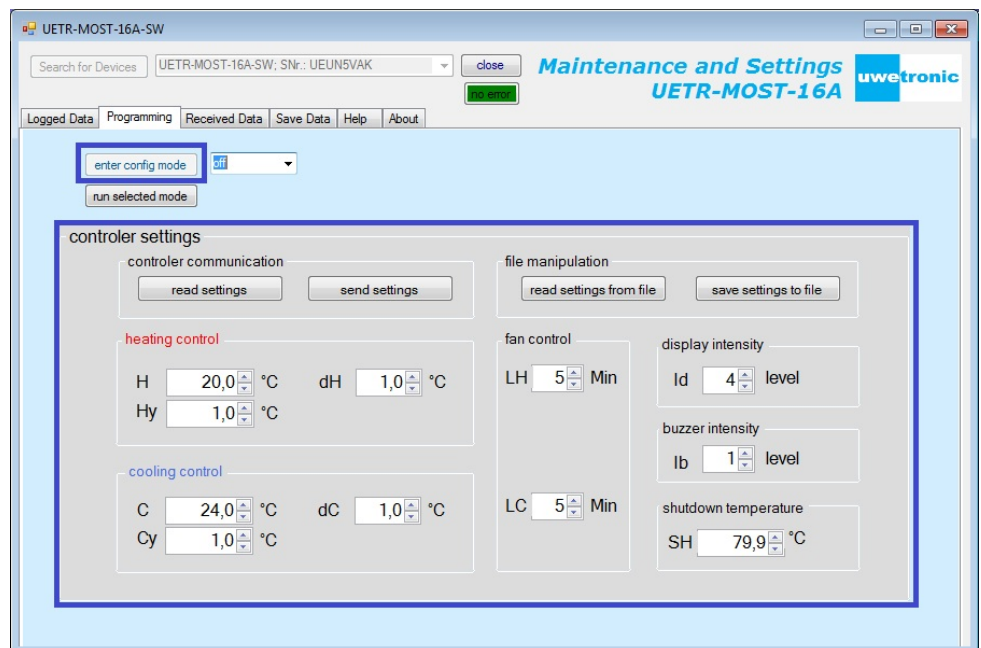
For changing the configuration of the temperature controller as well as the downloading of the current configuration of the controller, it is always necessary to set the controller into the **"config mode"**.

With the function "controller communication" the settings of the controller are read and written.

With the option **"file manipulation"** the configuration data can be exported and saved as a file.

After changing the settings of the temperature controller, the controller must be set to RUN-mode again. This can be done by:

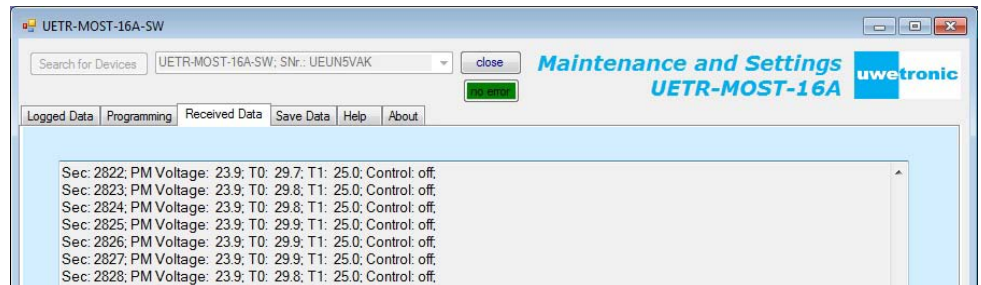
1. Choosing the Run mode (selected field)
2. Confirming the selection by clicking **"run selected mode"**



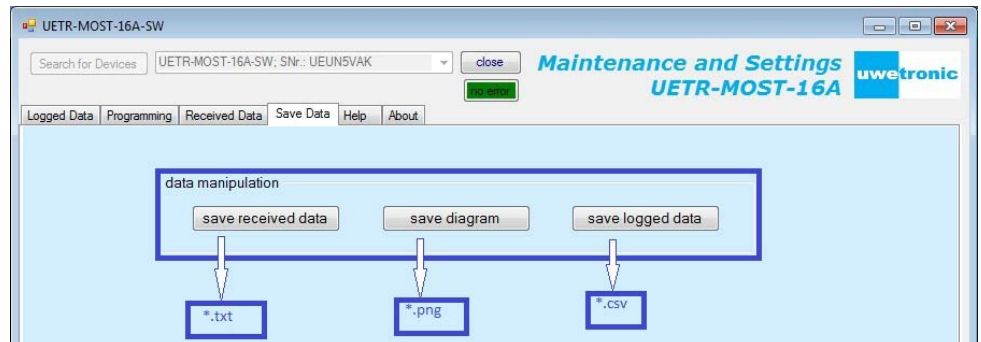
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Other Screens

In „Received Data“ all data are included that we received from the interface-cable.



With „Save data“ the recorded data can be saved for storage and analysis. The data can be provided in different formats.



In „About“ the copyright and the license is included.

In „Help“ the manual can be found in German language.

The field „no error“ shows the status of errors. In case of „error“ the error can be tracked by using the „Logged data“. After solving the reasons for the error, the error status can be refreshed here.

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