Hydraulics meet Electronics

W.E.St. Elektronik GmbH

Communication tool for our open and closed loop control modules

WPC-300-V4

WPC-300-V4: Content

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Survey

WPC-300-V4: General

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Communication and start-up tool for serial interface

- Reading out process data and parameters as well as parameterizing
- Compatible with all W.E.St. Device series with serial interface
- Optimized for Windows 10 / executable also on Windows 7

Optimized for our W.E.St. devices

- Parameterizing in tabular form
- Displaying process data (monitor or oscilloscope) simultaneously to parameter table
- Showing error and status message
- Remote control mode for start-up and trouble-shooting
- Saving and loading of complete data sets, online and offline
- Simple possibility for updating the device firmware, if necessary
- Extras for script programming and data recording

WPC-300-V4: Connection settings

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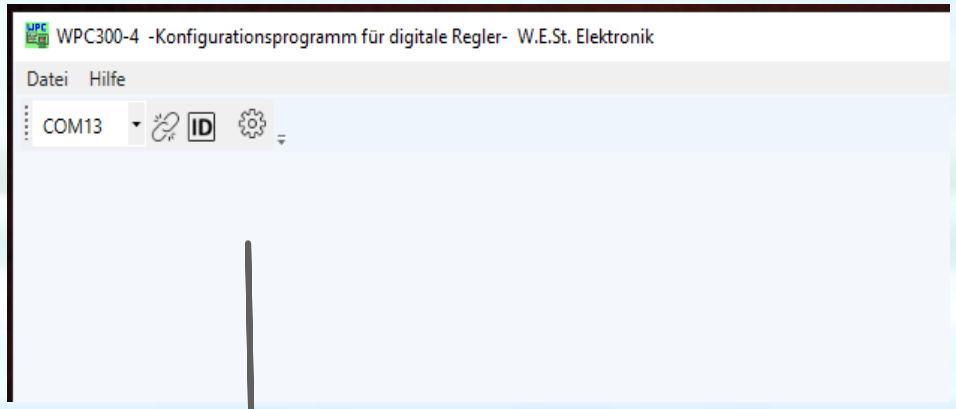
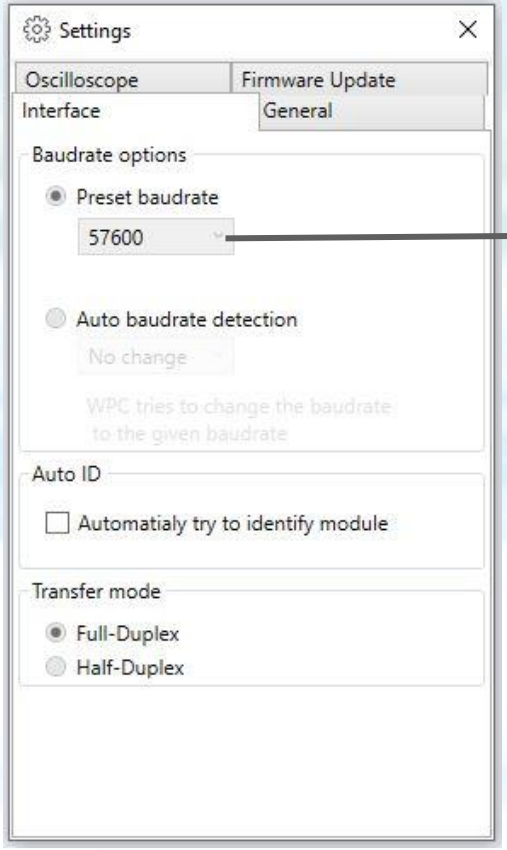


Before first connection the relating settings have to be checked. They are located among the common settings menu below the marked button.



Top hat rail mounted devices work in fullduplex, mobile ones in halfduplex mode. The default value for the baudrate is 9600 at older devices with stereo jack connection. At newer ones 57600 is preset. If using both types the auto detection is useful in order to avoid often switching. Furthermore some older device can be speeded up to the higher baudrate.

WPC-300-V4: Establish connection

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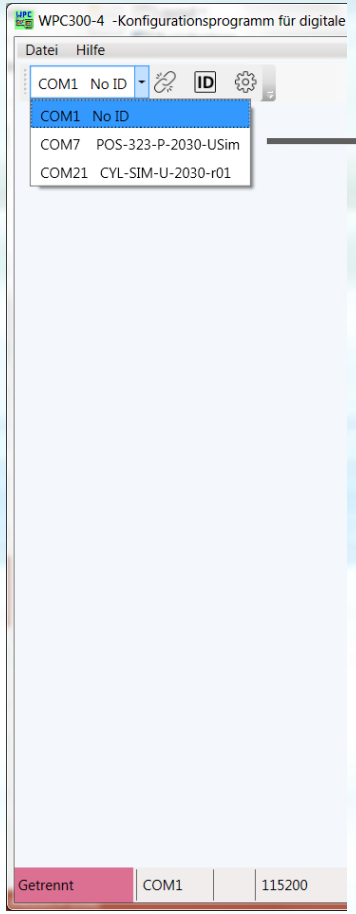
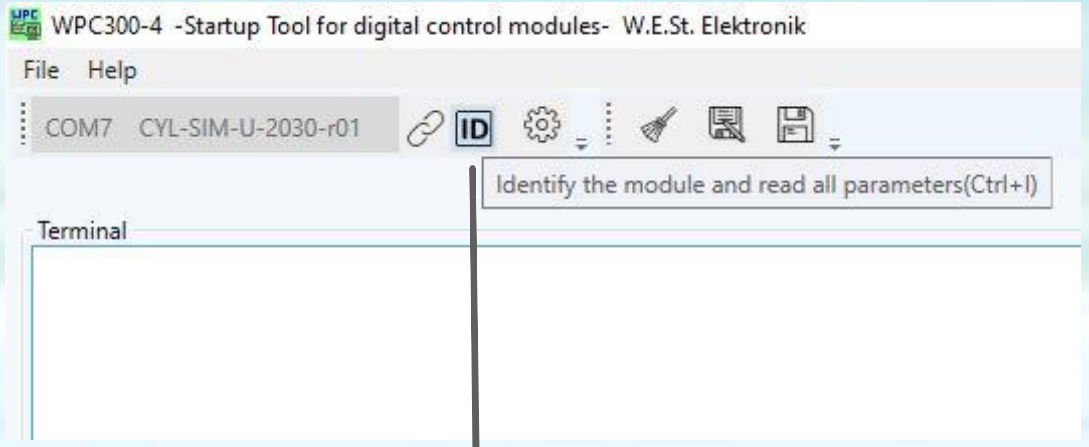


Select an interface out of the list of available COM ports to get linked to. If AUTO ID is active, connected W.E.St. devices are detected automatically and will be displayed at the relating port, if function is provided by the modules. Otherwise the port can be identified by detecting the omitted one after removing the connection.



Establish a connection by pressing first the **connect** button followed by the **ID** button for reading the device data. If terminal is deactivated, only **ID** button is needed.

WPC-300-V4: User buttons

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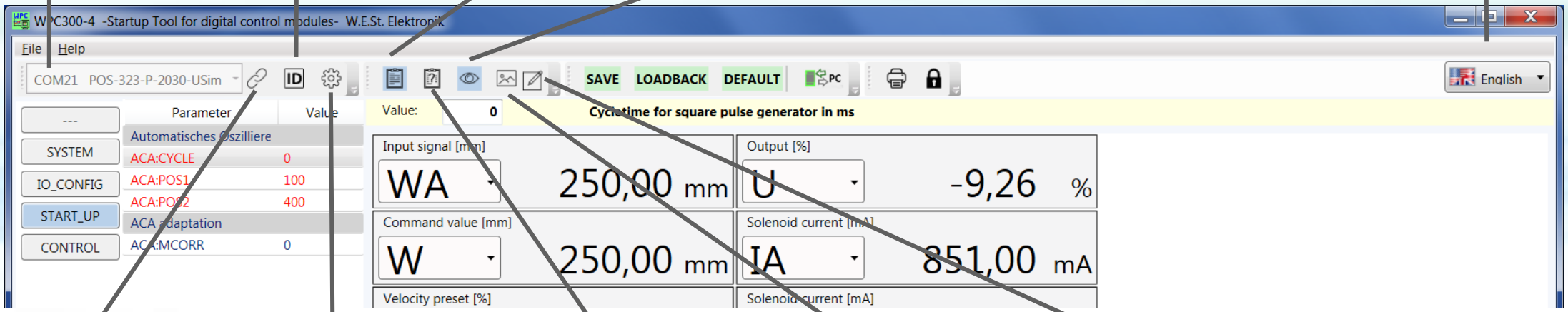

Select interface

Read out device

Parameter table

Monitor

Language

Open COM port

Settings

Help texts

Oscilloscope

Terminal window

WPC-300-V4: User buttons

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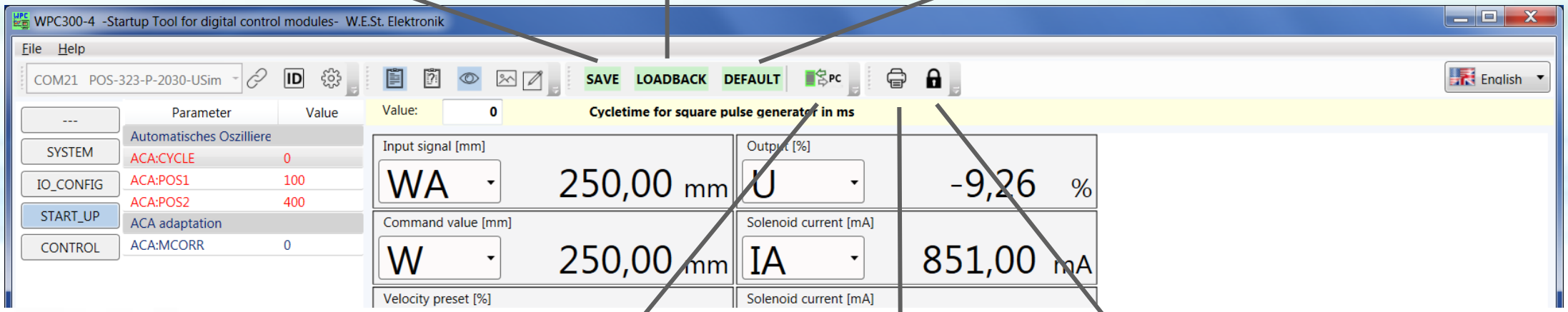
Store data in the device

Load back the stored data

Reload factory settings



Load/save parameter set file

Print parameter set

Enter password

WPC-300-V4: Overview with monitor

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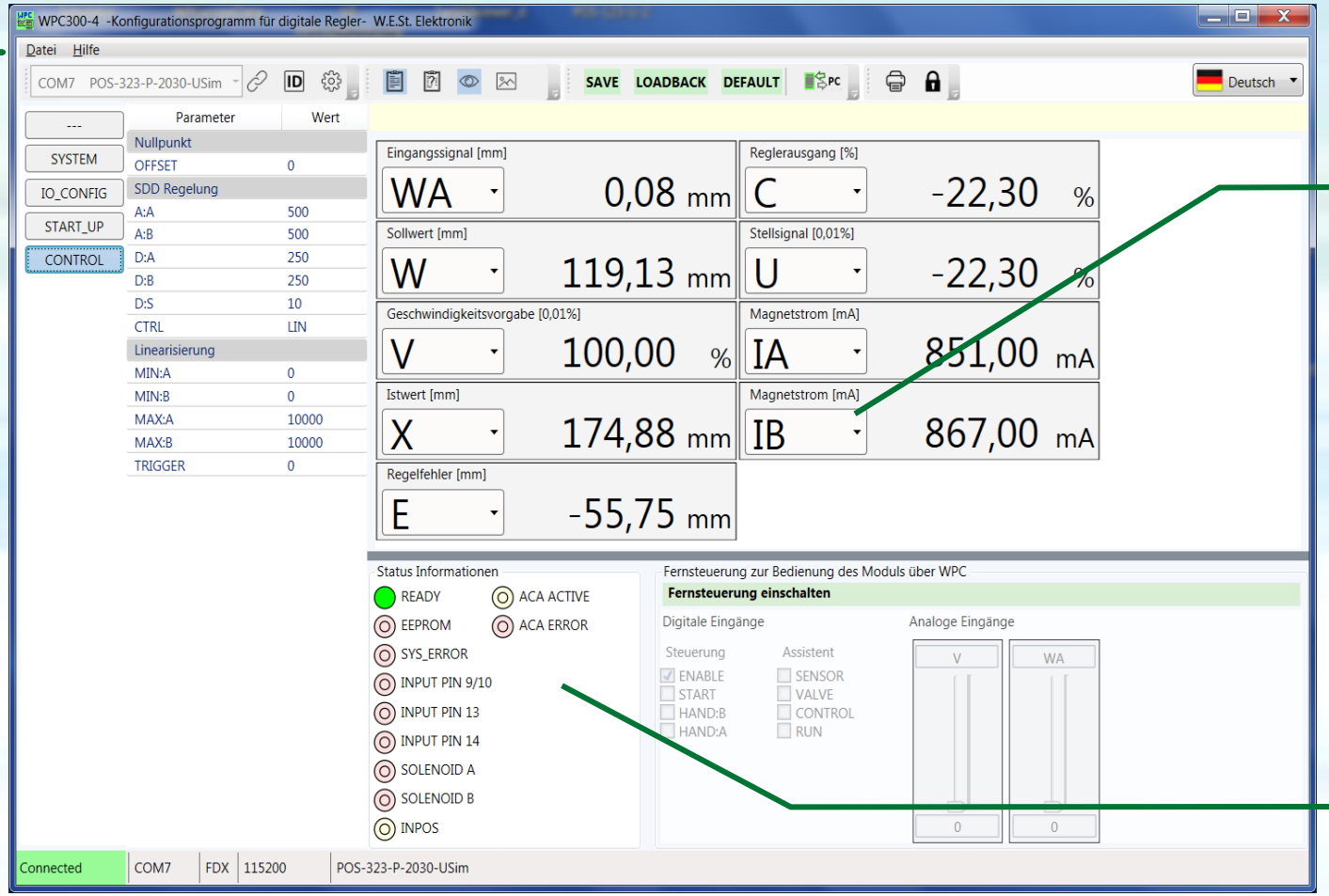
Standard menu with basic functions and extended settings



Monitor for process data display. Signal selection via drop-down menu.

Information about connection and device

Status notes and handling of the remote control

WPC-300-V4: Overview with oscilloscope

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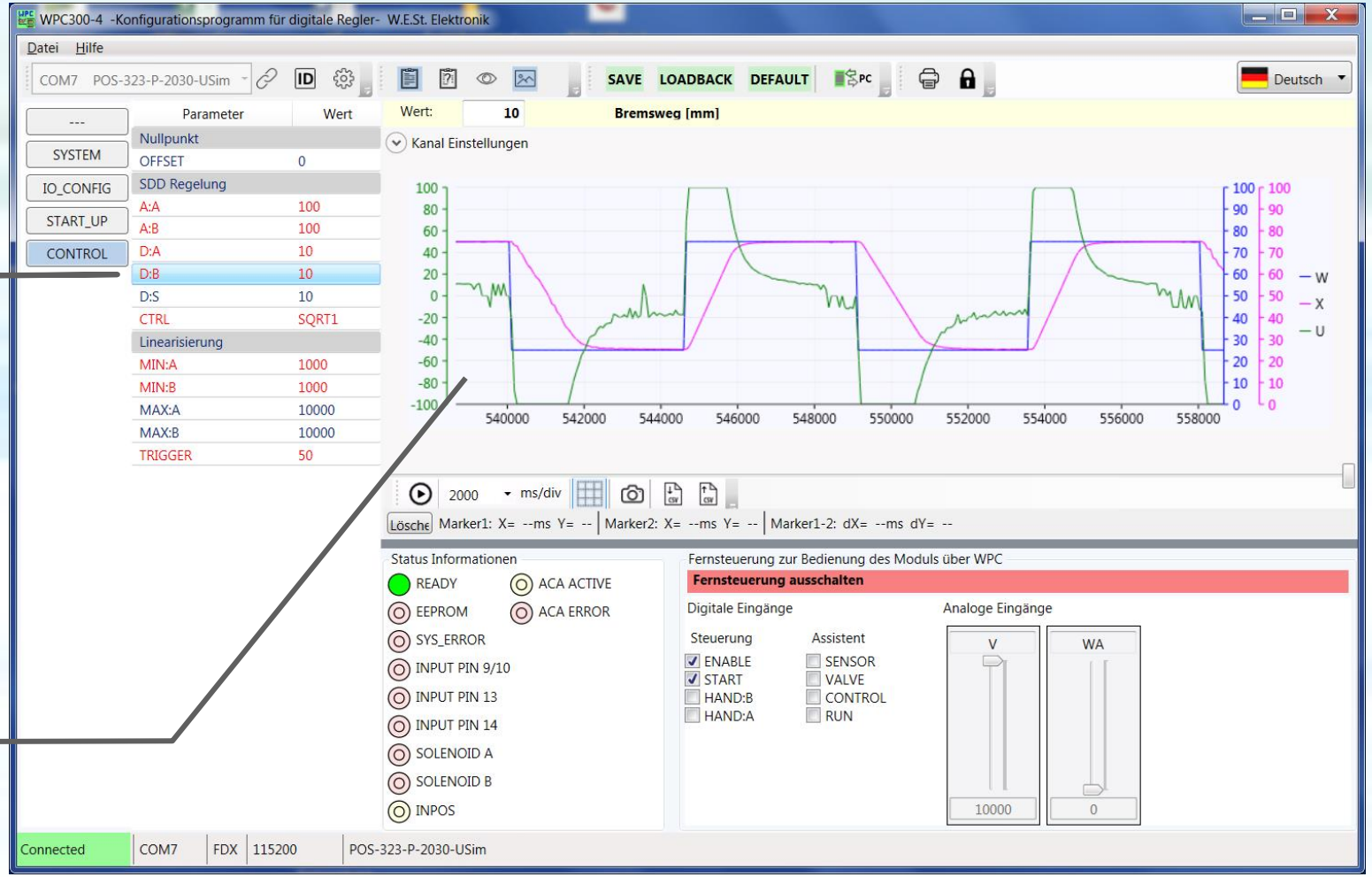
Changing parameters is now possible without switching the view. Red marked parameters have not been saved yet.

Oscilloscope next to the parameter table.



WPC-300-V4: Parameter table

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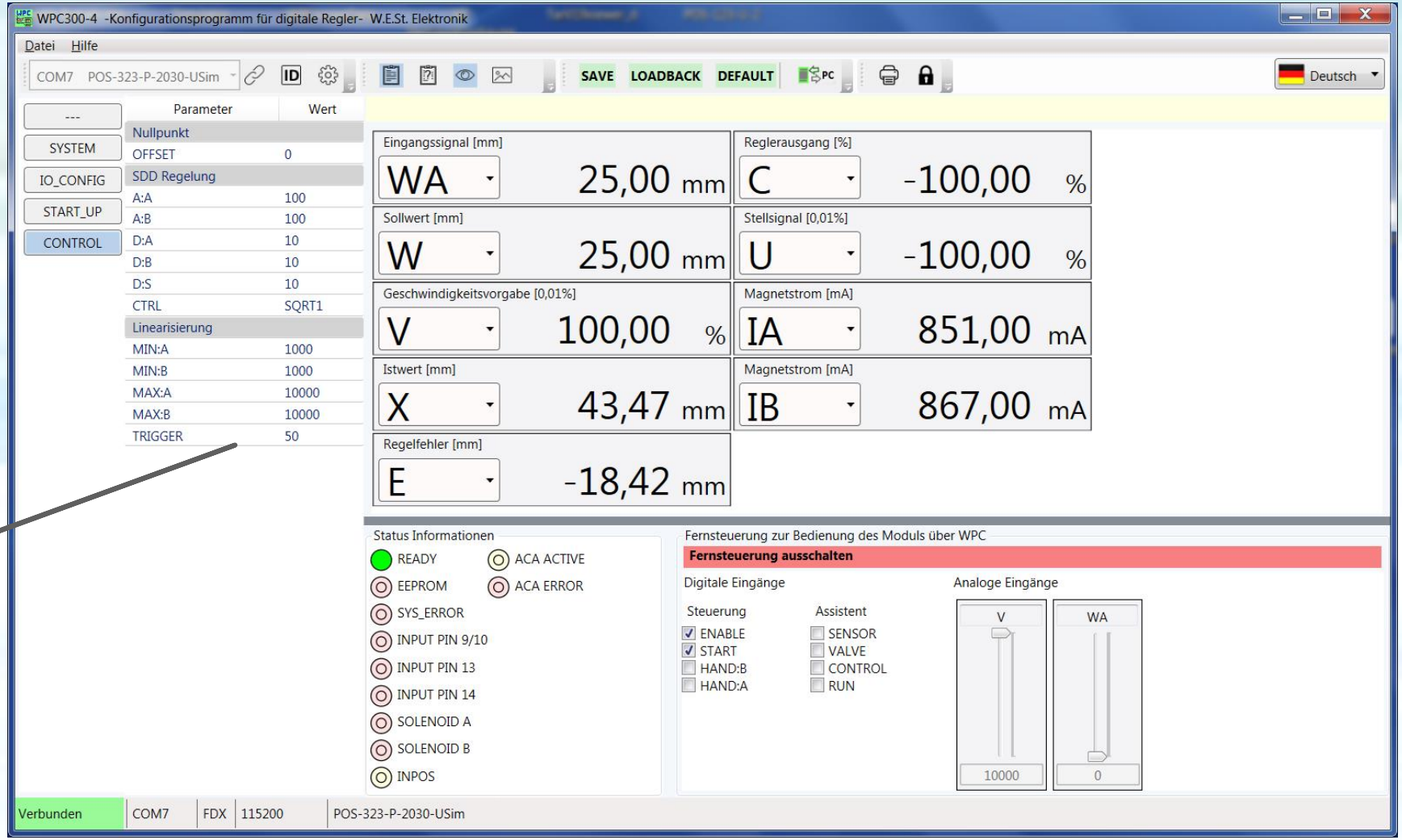
Select group of parameters to be displayed.

Depending on the selected group the relating parameters will be displayed on the table.



WPC-300-V4: Parameter input

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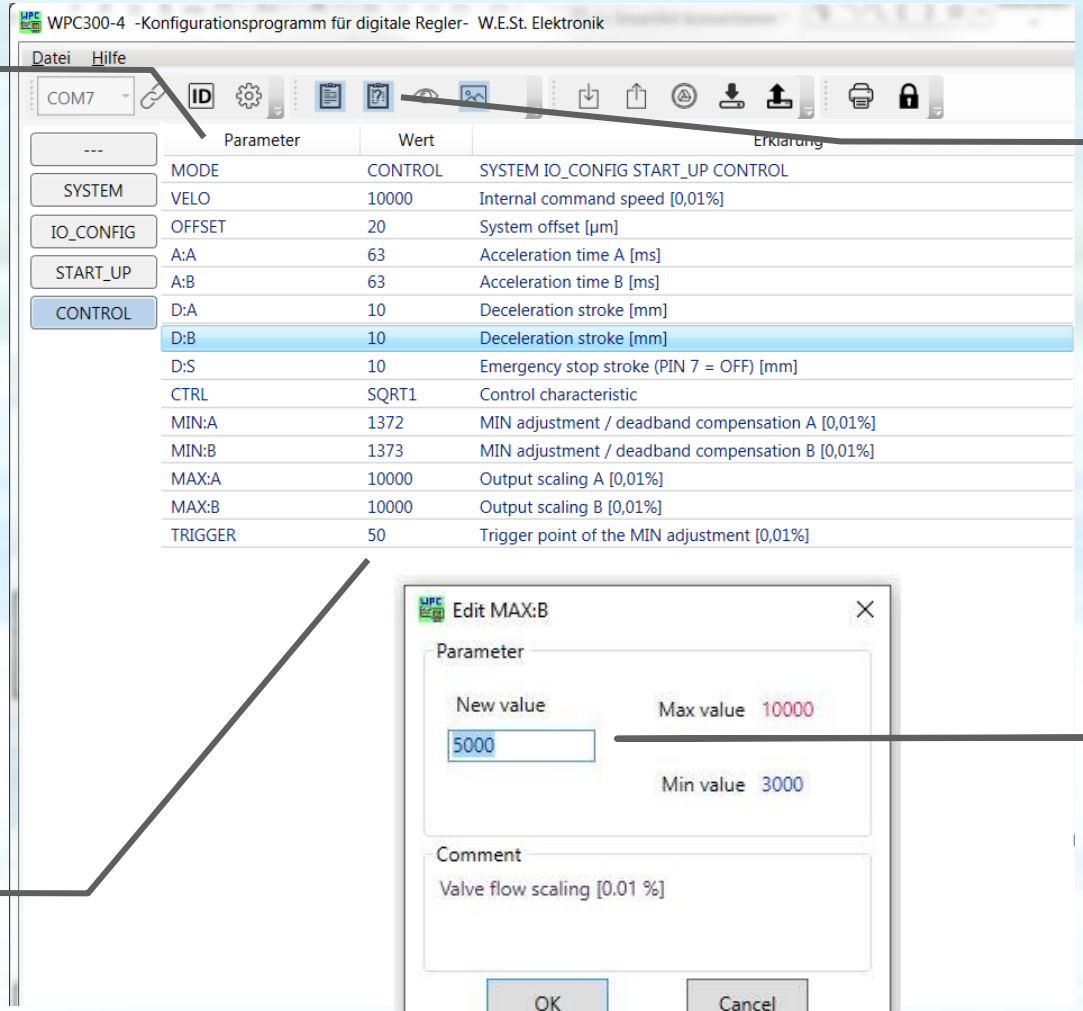
Parameter name



Help text:
in German
and English,
Switchable.
Can be blendet
or hidden.

Parameter value

Value input
after parameter
selection

WPC-300-V4: Oszilloscope graphic settings

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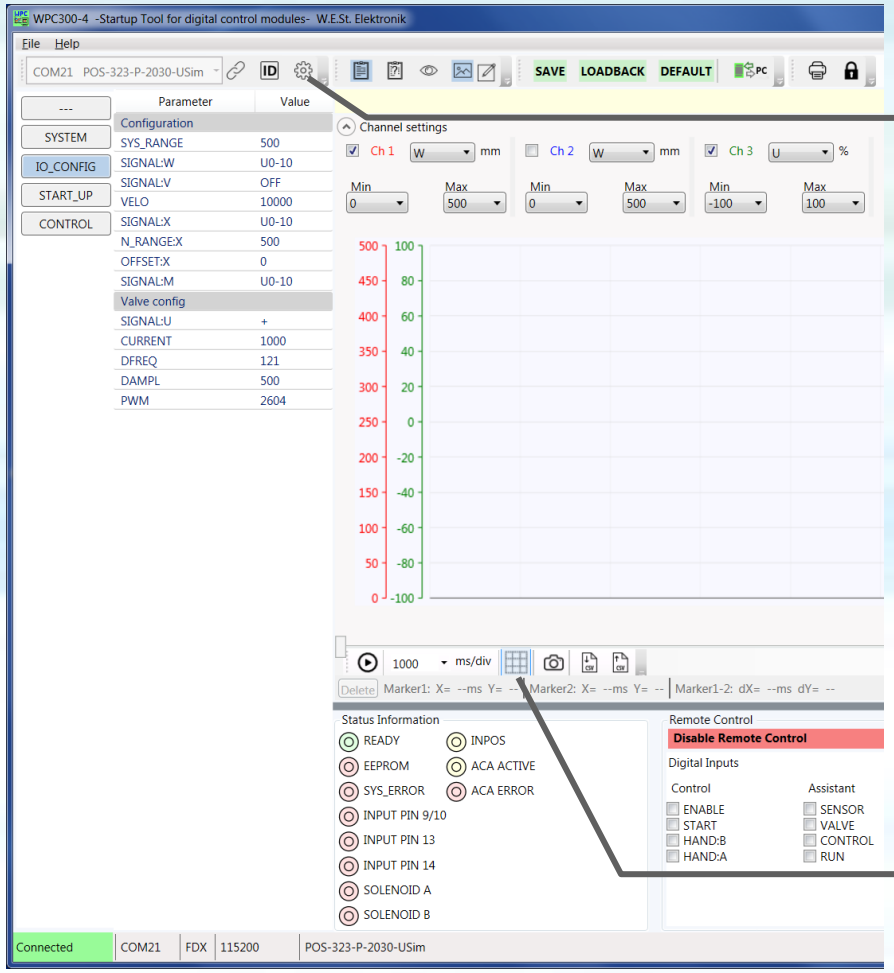
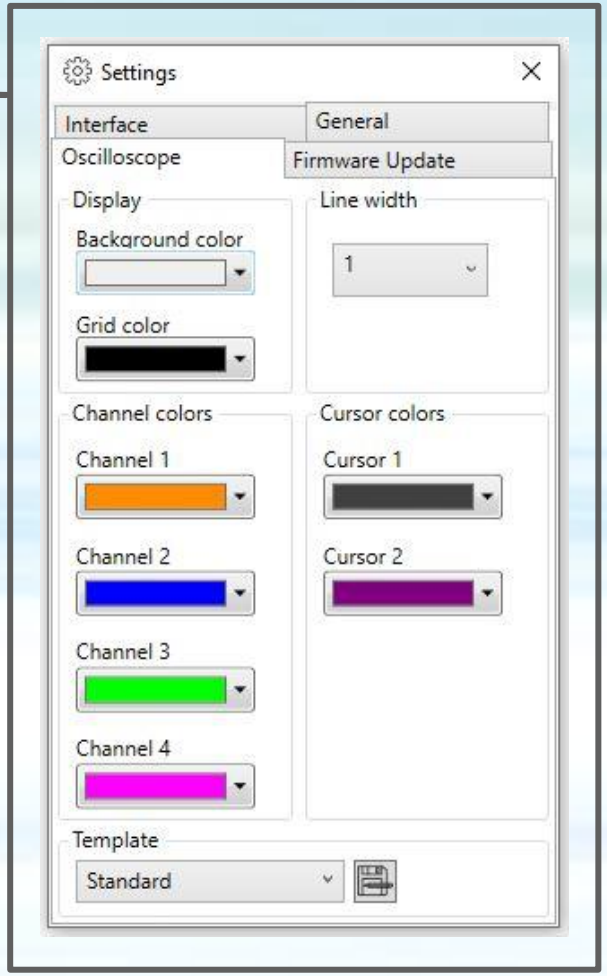


Basic settings for displaying

Blend or hide the grit



WPC-300-V4: Oscilloscope channel settings

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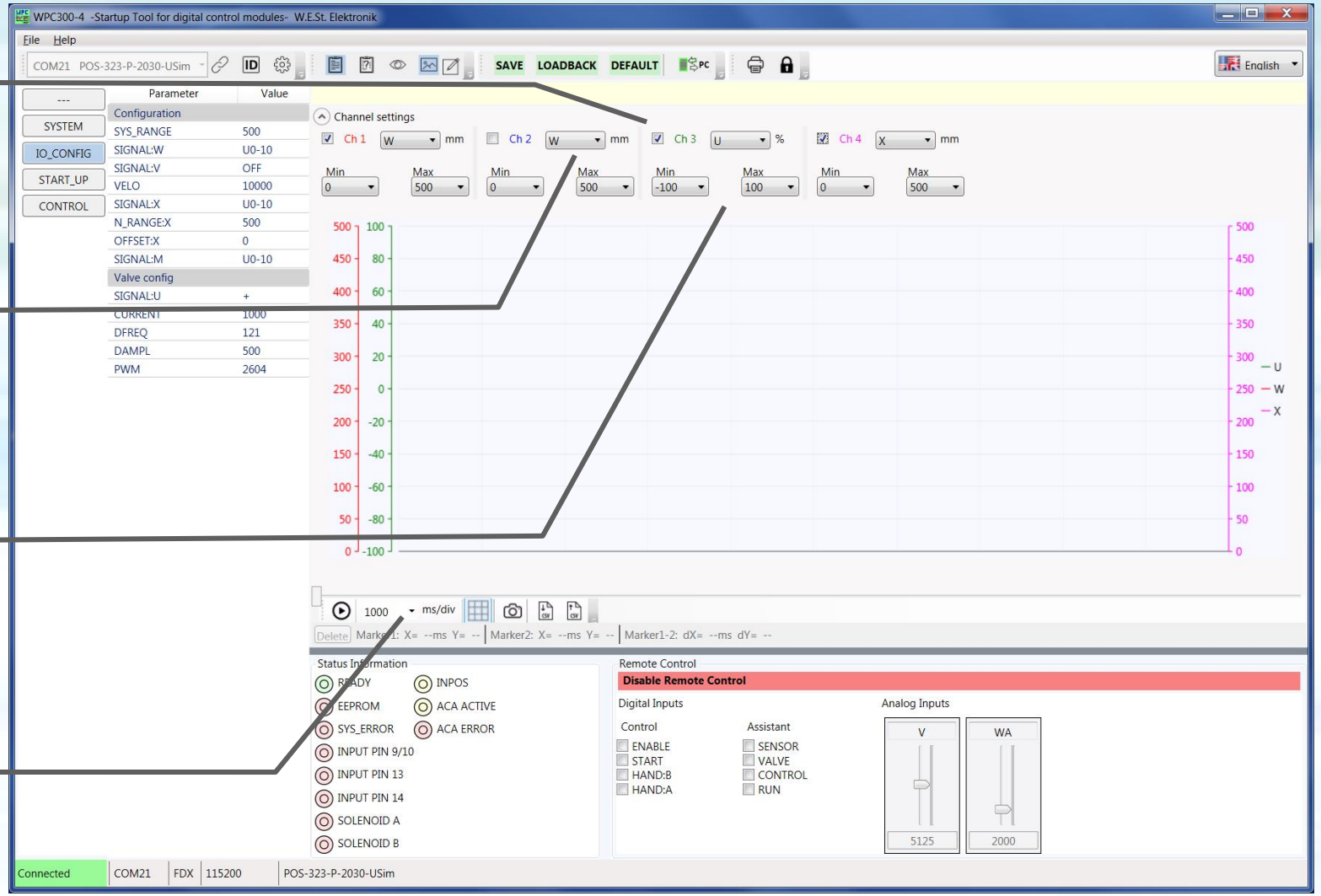
Activation of the wanted channel

Selection of the process data

Scaling of the signal

Scaling of the time line



WPC-300-V4: Oscilloscope using

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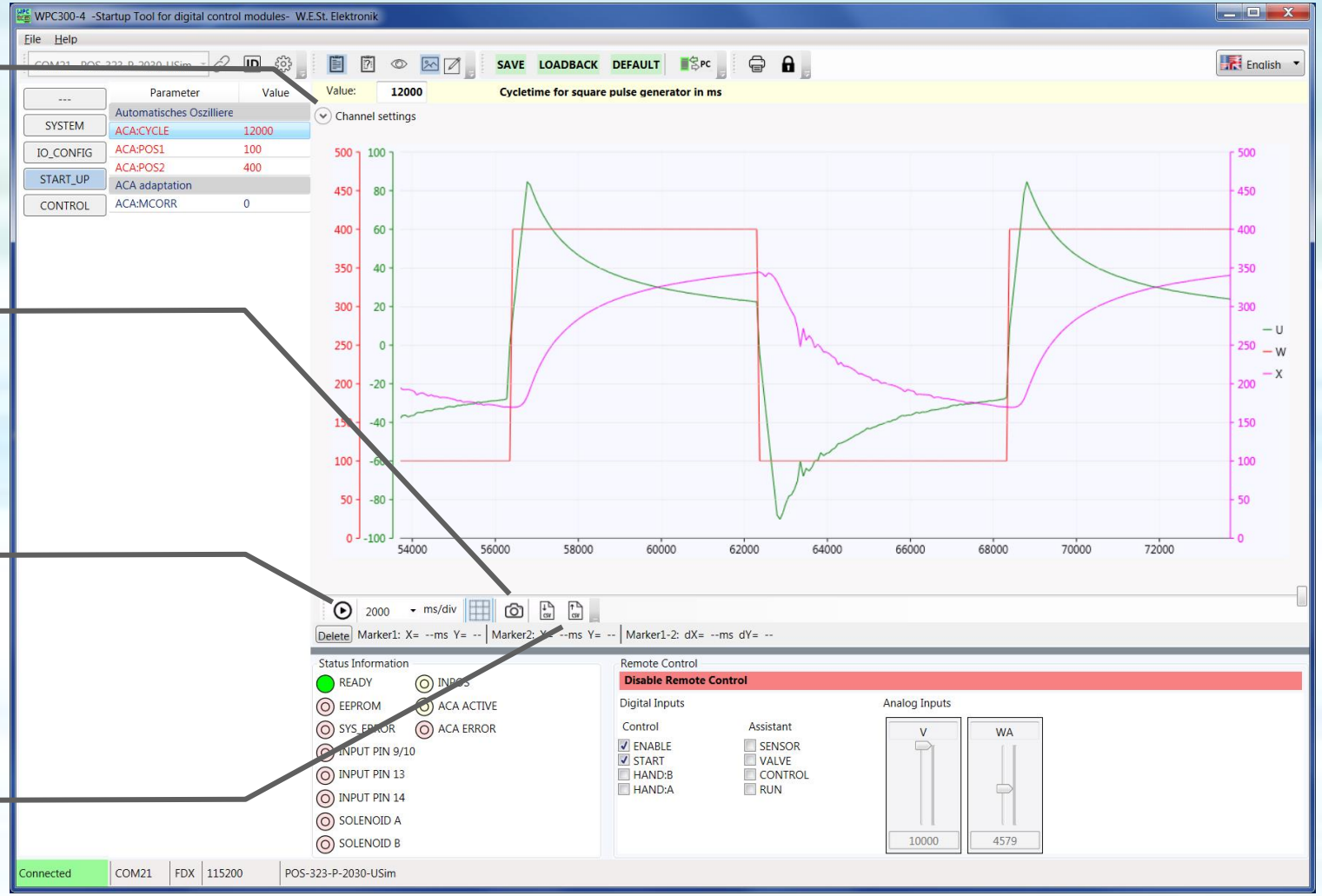
Blend or hide
channel settings

Create a
screen shot

Start/stop
recording

Load/save
recording



WPC-300-V4: Remote control

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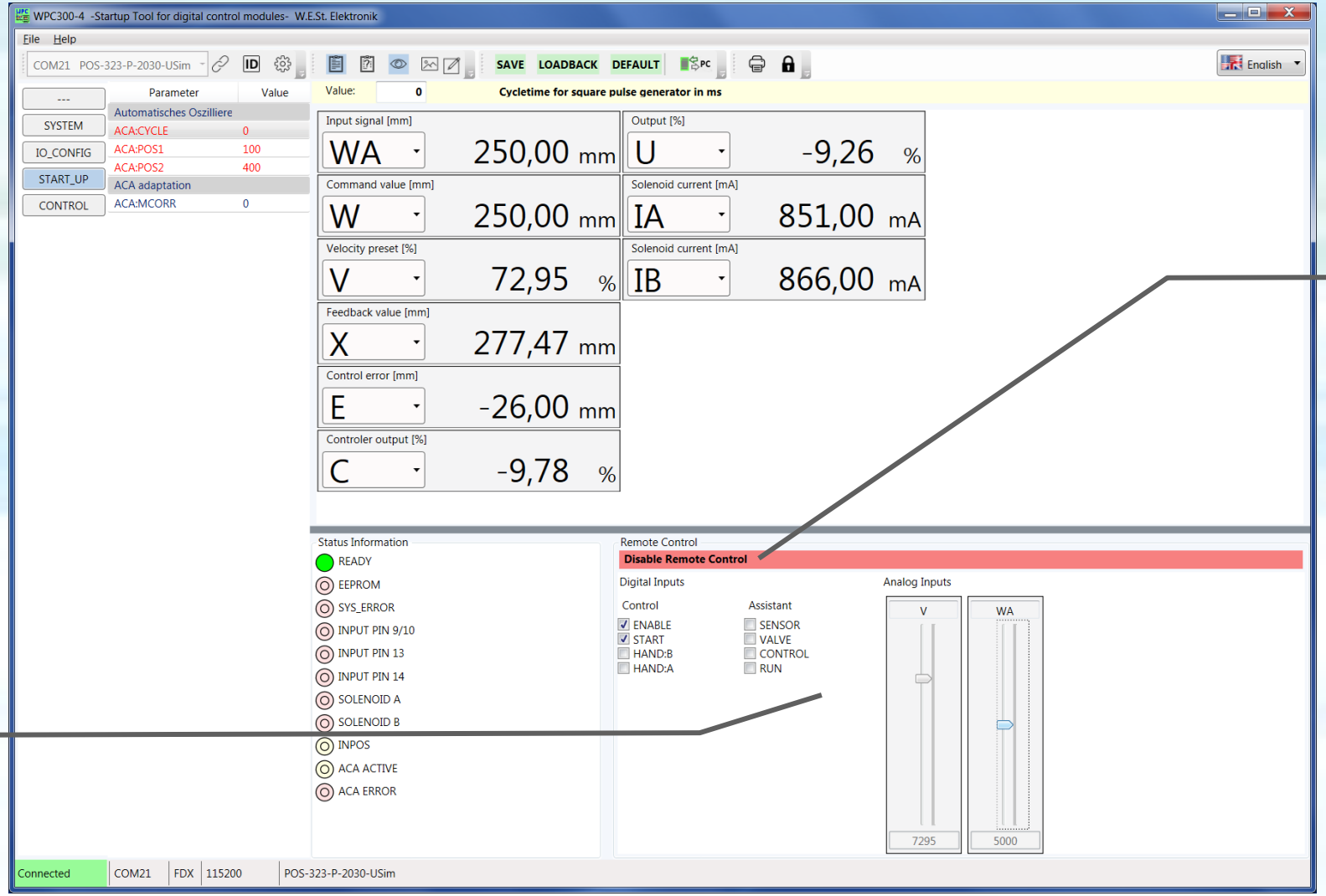

Digital and analog inputs are simulated. Control signals and command values are rreset with it.

Activation Of Remote control. The user takes control over the device.

WPC-300-V4: Load and save data

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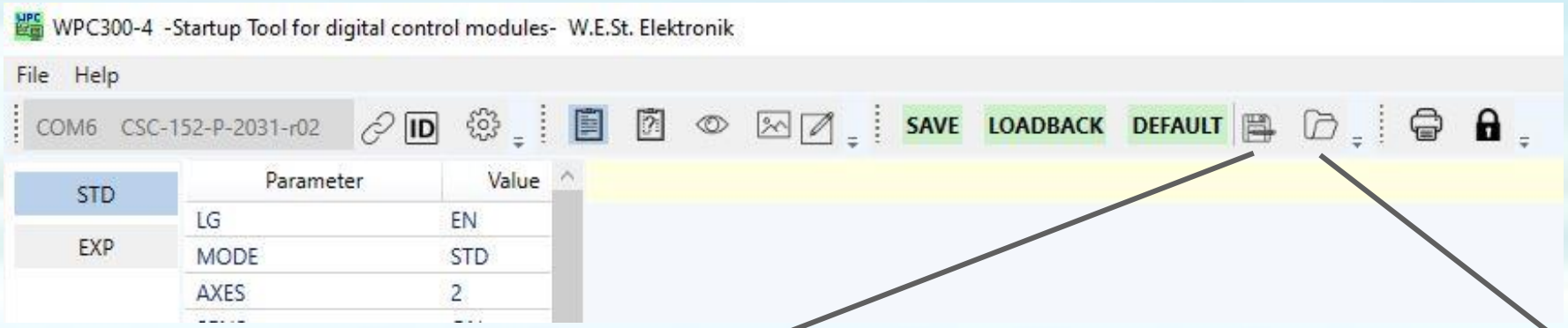

Save parameter set into file

Load parameter set from file

WPC-300-V4: Save parameter sets

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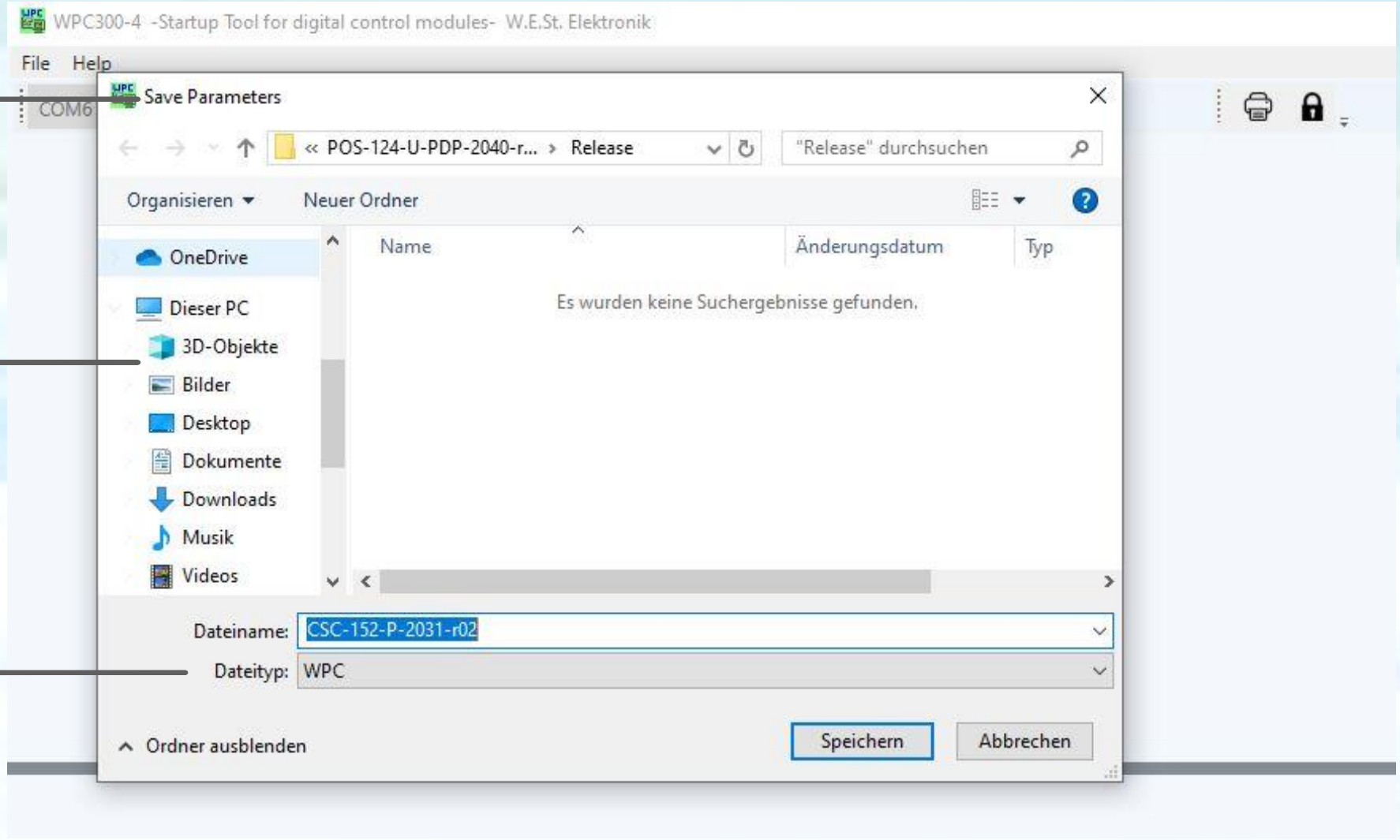
Windows explorer window

Select storage location

Enter file name



WPC-300-V4: Load parameter set

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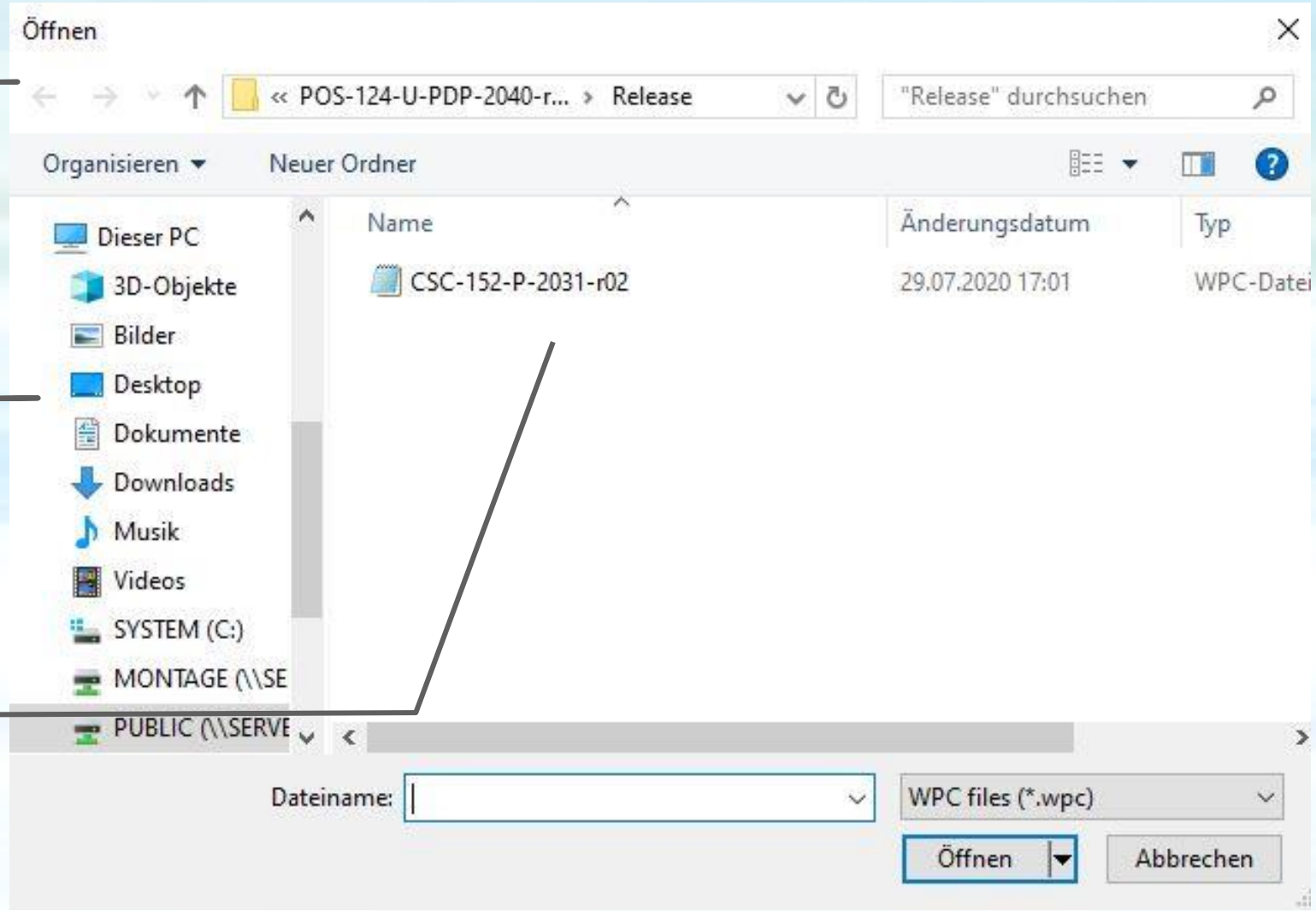
Windows explorer window

Browse for storage location

Pick deposited WPC file



WPC-300-V4: Offline data

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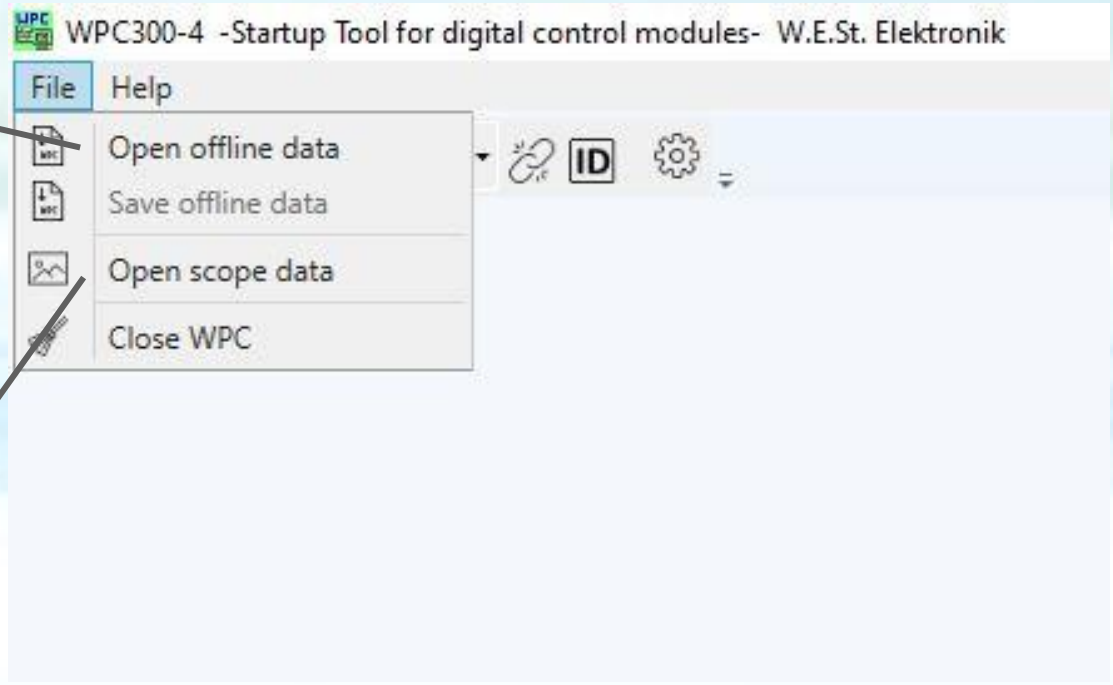
Windows explorer window

Show/play
Oszilloscope recording



WPC-300-V4: Firmware - Update

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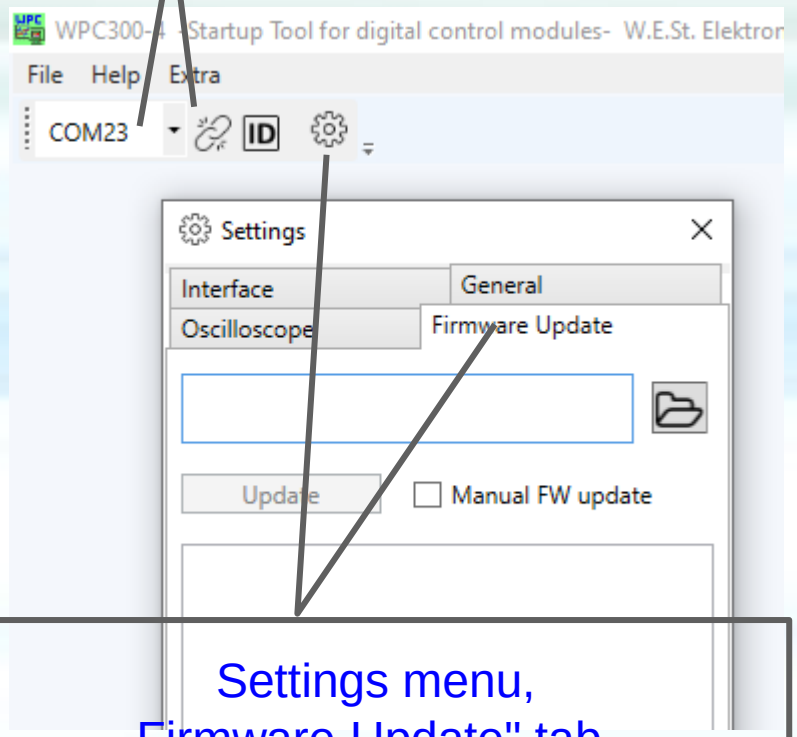
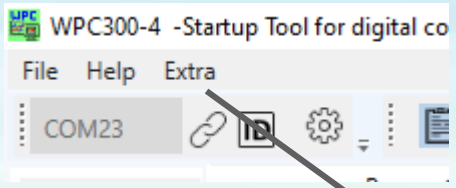
Variant 1: Update with *.s19 file

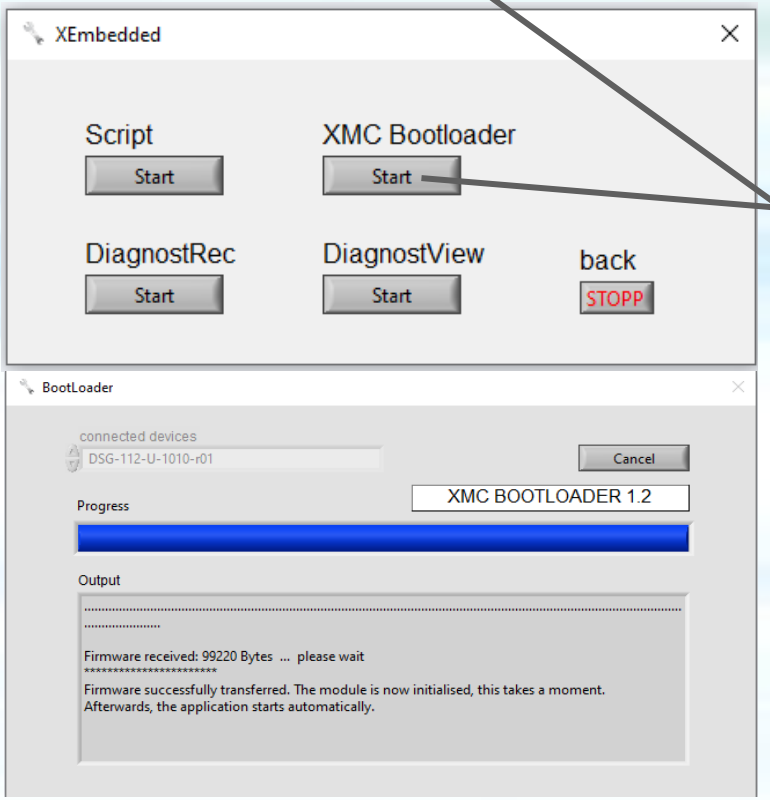
Select COM port
Device must be disconnected!



Settings menu,
Firmware Update" tab,
Select file, push button "Update“

Variant 2: Update with *.s20 file





Menu Extras

Start XMC Bootloader

Select file

Wait

Window closes after completion of the update automatically

WPC-300-V4: Script Programming

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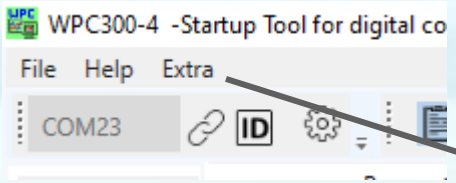
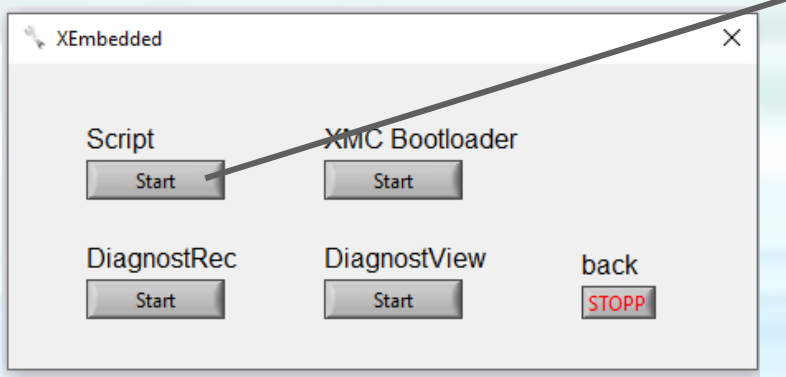
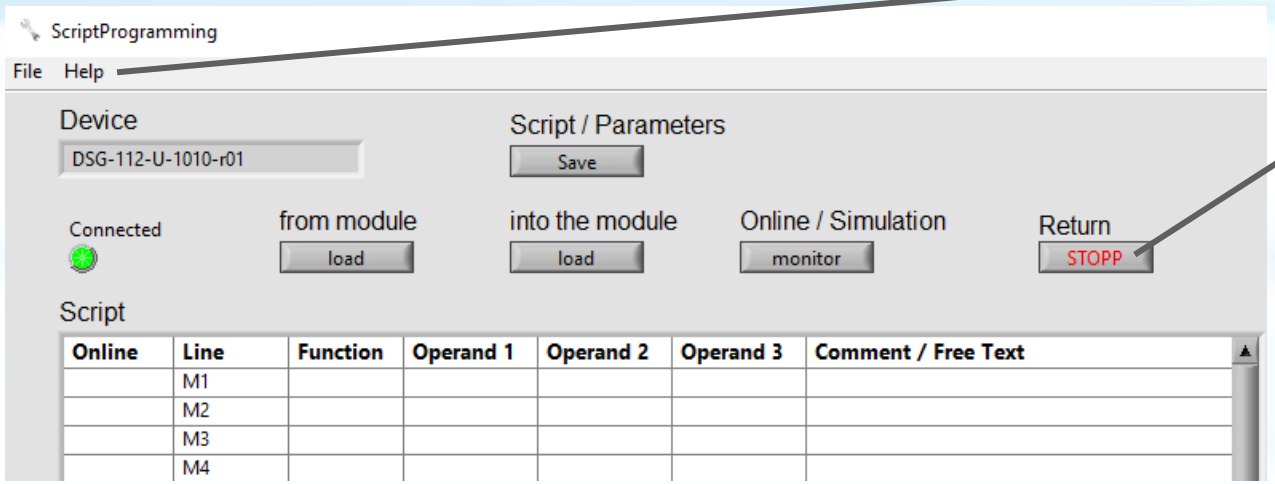


Module is connected

Extra menu

Start script software (only possible if the module supports this)





Script application starts

Script on the device is loaded into the table

After completion change back to the WPC main window

For further information see Online - Help

WPC-300-V4: Fast Recording

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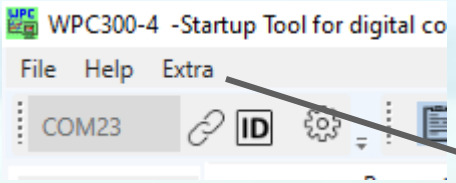
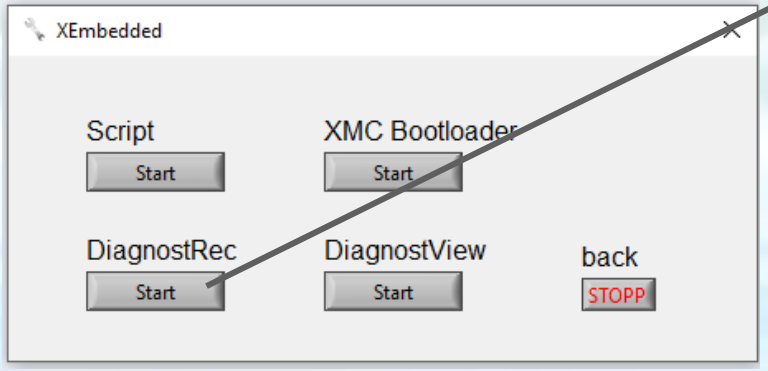


Module is connected

Extra menu

Start DiagnostRec software (only possible if the module supports this)



Recording software starts

Create file to save the data (dialogue)

Rotating pointer symbolizes progress of recording

To end return via "STOPP" to the WPC main window