Changes / new features WinREG 4.1
from
WinREG V 3.9.7 of 04.04.2016
to
WinREG V 4.1.2 of 15.08.2017

Product name / type: WinREG parameterization software

Date of creation:
04.09.2017

Creator:
Peter Held

History:
04.09.2017   Creation for 4.1.2

Operating systems, system requirements:
Windows XP, Vista, Windows 7, Windows 8, Windows 10
Windows Server 2003 or newer

Microsoft DotNet Framework Version ≥ 3.5

Compatibility firmware

The WinREG parametrization software is in general compatible with all firmware versions. That means you may use the latest WinREG version also for old firmware versions. The WinREG 4.1.2 is optimized for REG-D(A) and PAN-D firmware version 2.27/3.27 and REG-DP(A) firmware version 2.6.03.
The WinREG 4.1.2 is equipped with a version matrix. That enables the WinREG software to determine whether a parameter is available in a certain firmware version or not. This function is available for REG-D(A) and PAN-D at the moment. With this feature reading or sending features that have not been implemented yet in older firmware versions is suppressed. However, the parameters will be correctly indicated in REGPara.

New features

General:

+ New WinREG4 Control Center

The new ConrolCenter appears in a new and individual configurable look. Now it is possible to arrange the program buttons in groups and in an individual order. In the menu "Option/View" background, design and size of program buttons can be changed. There is also a new menu tab "Start" available, which runs the sub programs of WinREG.

The menu "File/Terminate: Server" will close the communication server of WinREG (HRServer.exe).
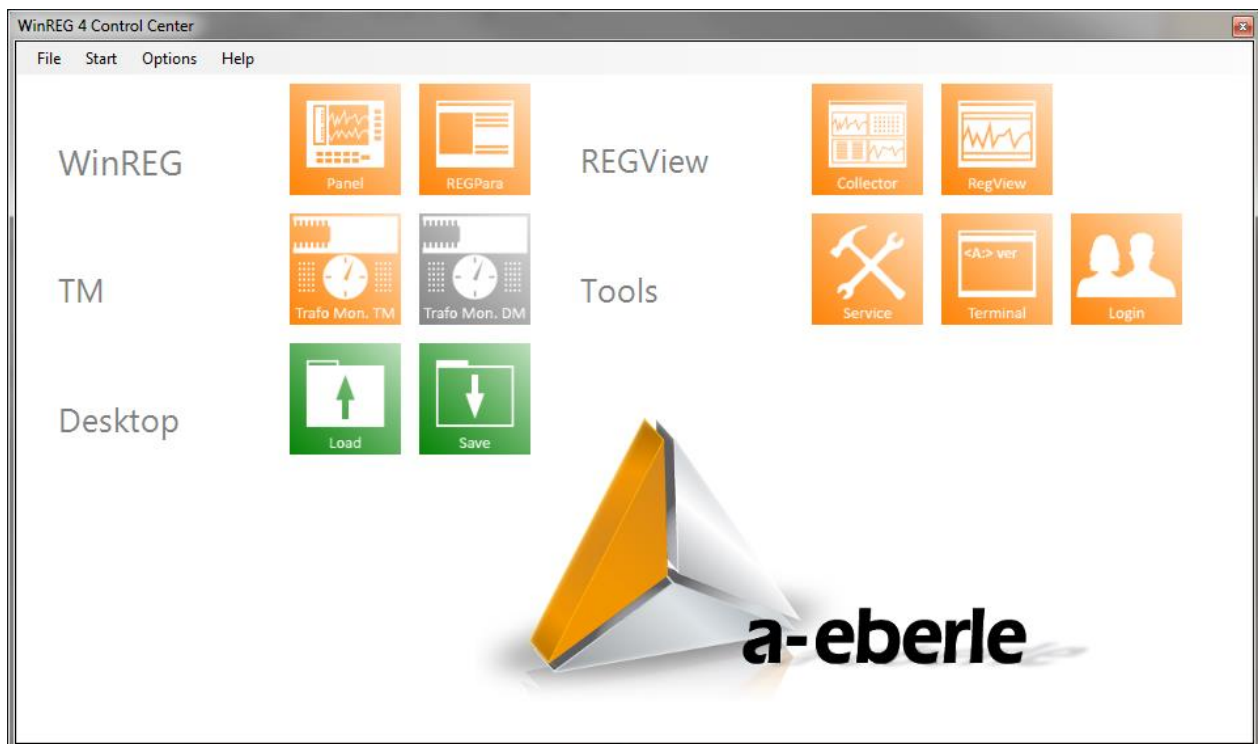
+ Stability Improvement

Read out of datas with the REGPara and Service program becomes more stable. Also the Panel with serial and ELAN connection between selected and connected device.

+ Display up to 8 parallel connections.

Based on the stability improvement it is now possible to display and use up to 8 different devices and ports (serial, TCP/IP or COM Server) simultaneous.
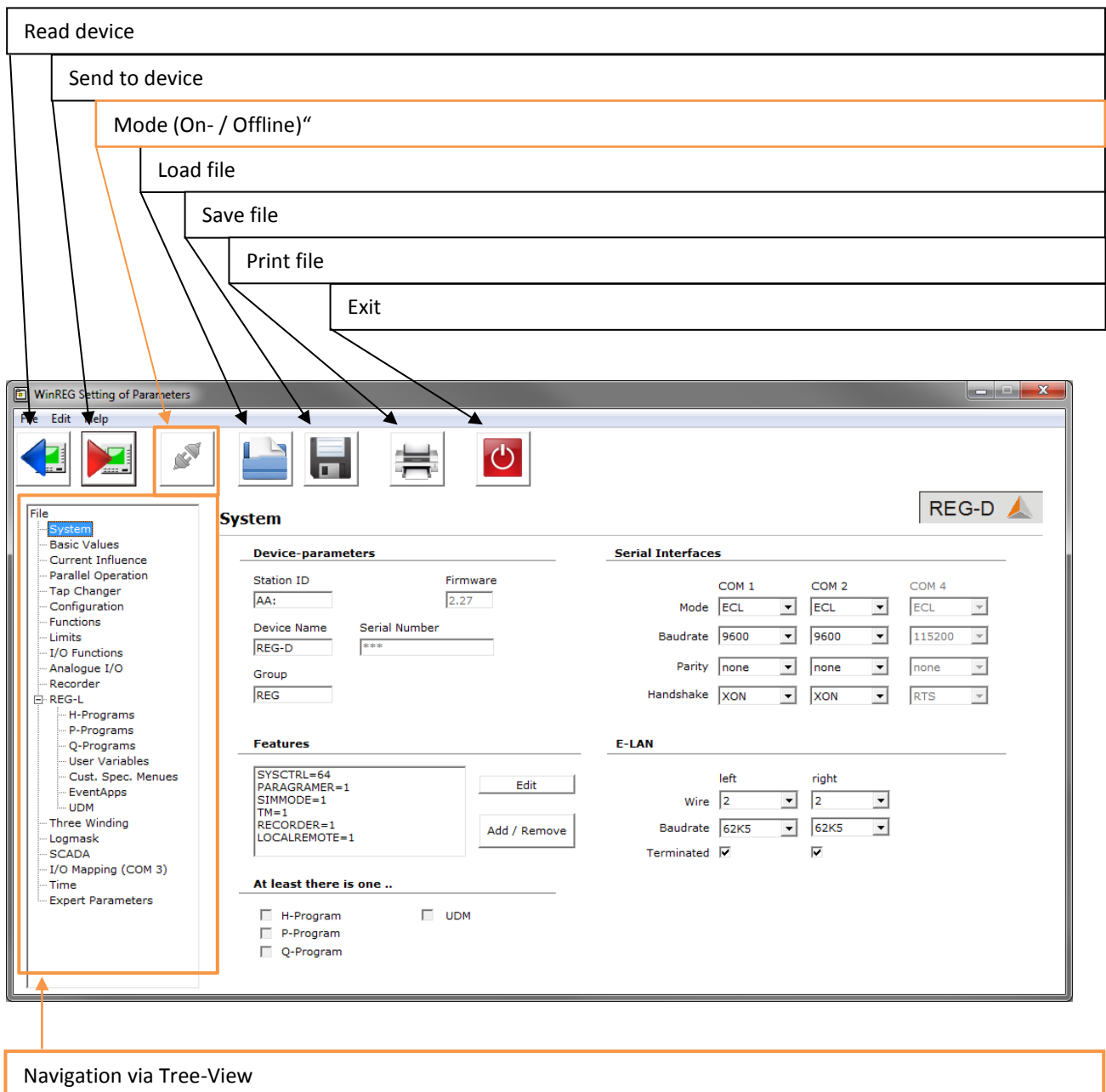
REGPara:

+ Adjusted design for REGPara.

REGPara has now a white background design. Navigation is only possible in the tree view, the tabulator menu is not available any more. This straight forward arrangement makes the selection of parameter groups and the separate settings more easily.

+ Additional quick access function „Mode (On- / Offline)"

The new arranged quick access function "Mode (On- / Offline)" makes parameter differences between the connected device and the REGPara as a real timer comparison visible. By means of this function "online mode" lists like group members, input functions and binary inputs will be transferred to REGPara. The button starts and stops this function.

Read device

Send to device

Mode (On- / Offline)"

Load file

Save file

Print file

Exit

Navigation via Tree-View

Export parameters as CSV file
Besides the already existing option to export parameters to a XLS file, it is now possible to export parameters also as a CSV file. Saved data file captures any kind of parameter values. Concerned here individual settings and additional default, maximal and minimal parameters will be recorded. An advanced function in the menu feature "Data\Import" offers the possibility to import changed CSV files into the parameter tool as well.

+ Reading and sending background programs and UDMs to devices via REGPara
With the new WinREG software, in addition to background programs and customer-specific menus, UDM files of the devices with feature S2 can now be read out and sent back to a device by REGPara.
In addition, the WinREG now offers the possibility to select existing background program and / or UDM files to be sent when sending the parameters. It is also possible to send a UDM file in hex mode (for example Chinese character sets and language settings) after set up in WinREG configuration.
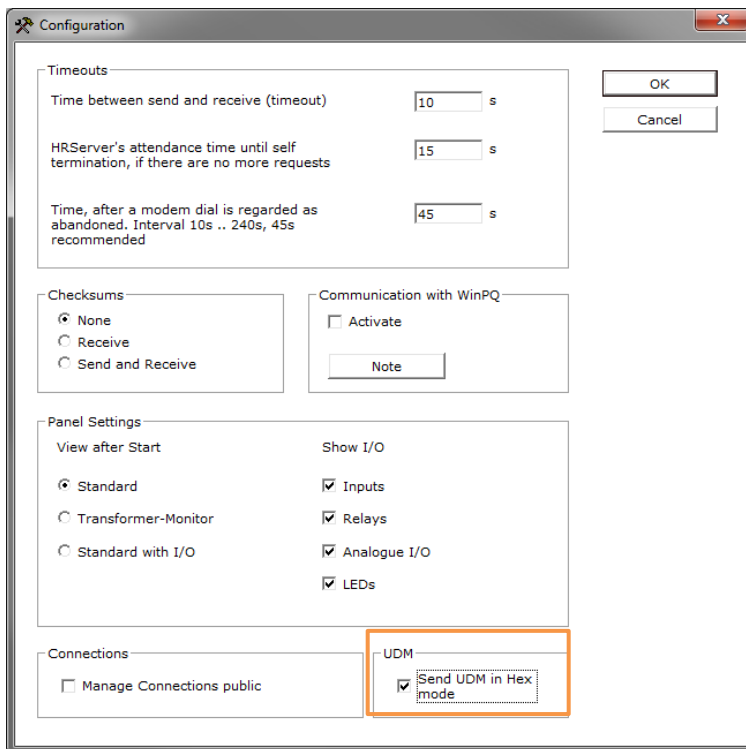
+ Additional features and update of parameters for the latest REGSys™-firmware version 2.27 and 3.27

- **System:** New setting serial COM port 4
- **Parallel Op.:** ParaGramer-Activation and group list up to 15 parallel transformer;
  Maximal permissible difference of Taps in parallel operation „dI*sin(phi)", „dcos(phi)" and „dI*sin(phi)[S]";
  Extended Master/Follower-settings for naming of operation mode;
  Delay time of parallel error and multi-master in operation mode MSI and MSI2;
  Extension of ParaGramer-Settings (individual letters in in ParaGramer-Screen, Multiple Master, Extension for feature Crosslink
- **Configuration:** Delay time for Hand-Delay
  Time delay for E-LAN Error
  Limit for I_N „tap operation under load"
  Actual Value Correction for voltage and current
- **Function:** Rolling-Screens after time delay
  Time of Rolling screens
- **Limits:** Extension of values range with feature „PQCtrl"
  Limit reference
  Hysteresis
  Changes for speed switching
- **REG-L** Reading and sending of background programs and UDM
- **Three-Winding** Relocated menu for parametrizing regulators with hardware feature „M2" bzw. „M9"
- **Logmask** Extension of logmask registers
- **SCADA** Additional SCADA types
- **Time** Relocated menu for parametrizing time and time zone
- **Expert Param.** Additional menu for parametrizing „Hunting", „Scaling factor", „Advanced system and acknowledge settings", „Advanced system settings and indication acknowledge" „P-Limit for regulation (for feature EnBW)", „Measurement channel assignment", „DC measurement U/I ", „Scaling factor", „Offset"

+ Additional features and update of parameters for the latest REG-DP(A)-firmware version 2.6.03

- **System 1** RAM size
  Manufacture date
  CPU-Version
  Resolution of time parameters (1h to 1/4h)
- **Regulation 2** Additional values for Umax (Umax Hysteresis, Umax end-threshold, Umax end-Hysteresis, Umax end-Priority, Une Error-threshold, Une Error-Hysteresis)
- **I/O-Functions** New binary outputs 84: Abg_Umax_end, 85: Abg_v_invers

+ Version matrix of different firmware versions and fading unused parameters
The REGPara contains a version matrix of the different parameters from firmware versions 1.99 to 3.27 of the voltage regulator. An automatic query of possible parameters in the respective firmware, additionally depending on firmware settings, is performed. Those parameters which are not available in the selected firmware are faded and cannot be changed and sent to a device.
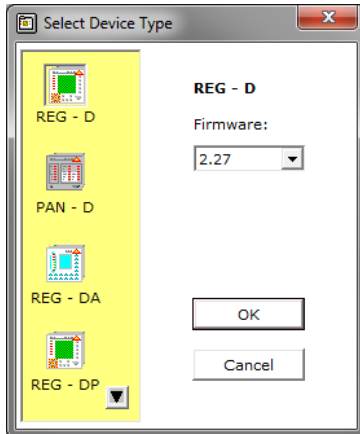

+ Central control by sending the parameters
Individual changed parameters previously had to be sent separately in REGPara. The transmission is now controlled centrally after the respective device has been selected, in which the corresponding parameters have to be changed.
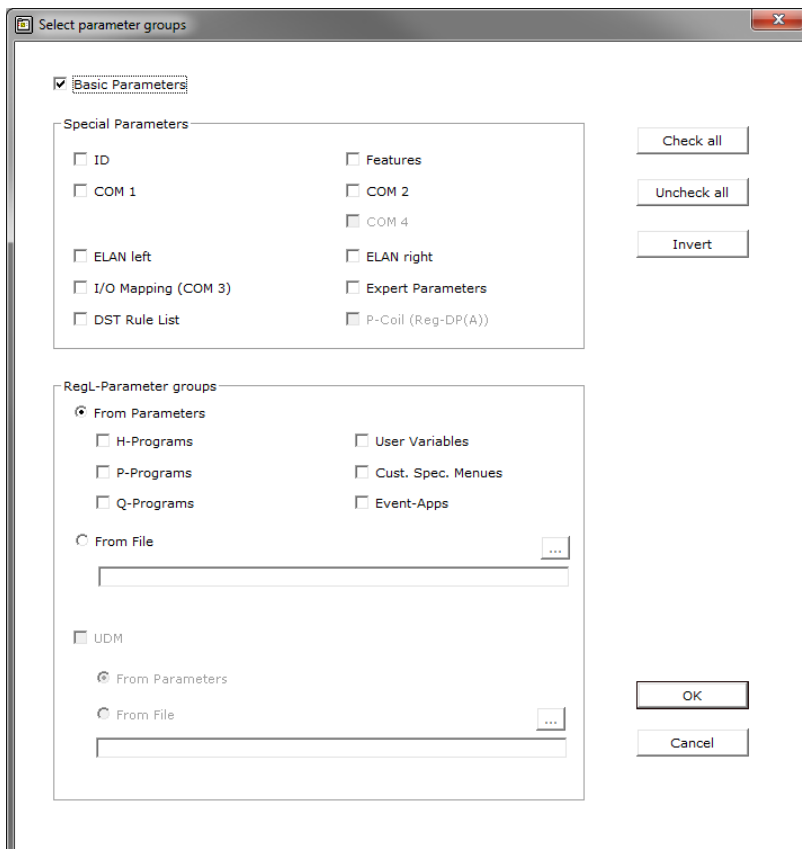
Service:

+ Adapted design for REGService without tabs (navigation only via tree view)
The design of the background appears in white just like REGPara surface. The menu navigation is also carried out only with the navigation via the tree view, the additional tabs are omitted.
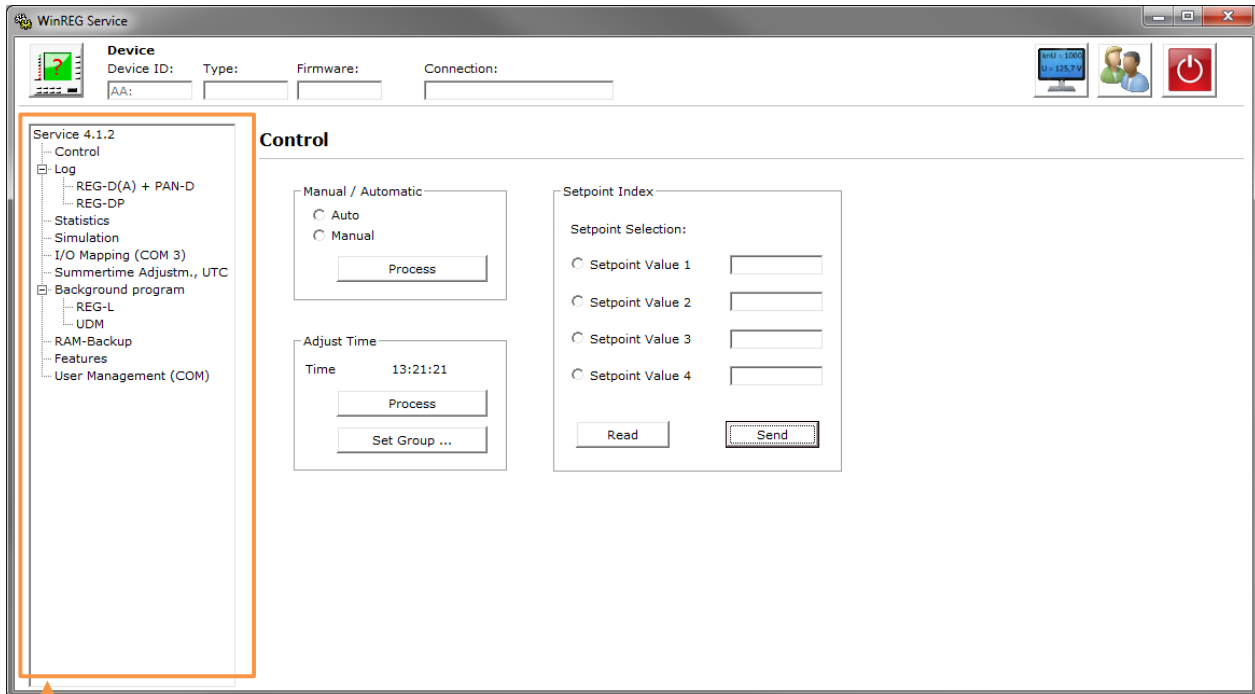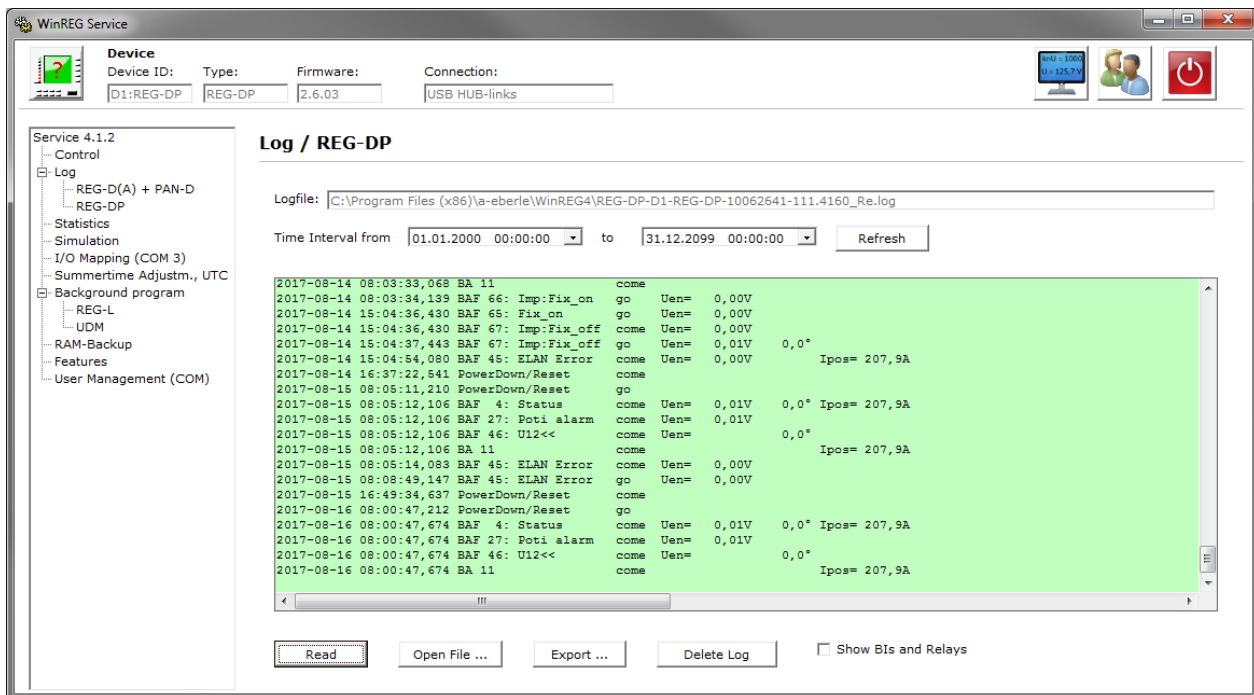
Navigation via Tree-View

+ Remote menu "Control"
An additional menu item "Control" has been created for switching the manual / auto mode, time setting and for adjustment of set point indexes.

+ Read and display logbook of REG-DP (A)

In addition to the logbook of the voltage regulator REG-D (A), the logbook for the petersen coil regulator REG-DP (A) is now also available.

Service / Login:

+ User management for serial interfaces

In the course of data security, the new WinREG software can be used to manage regulators serial interfaces for five different users. In this case, a password-protected access with individual authorizations can be set up individually for several users.
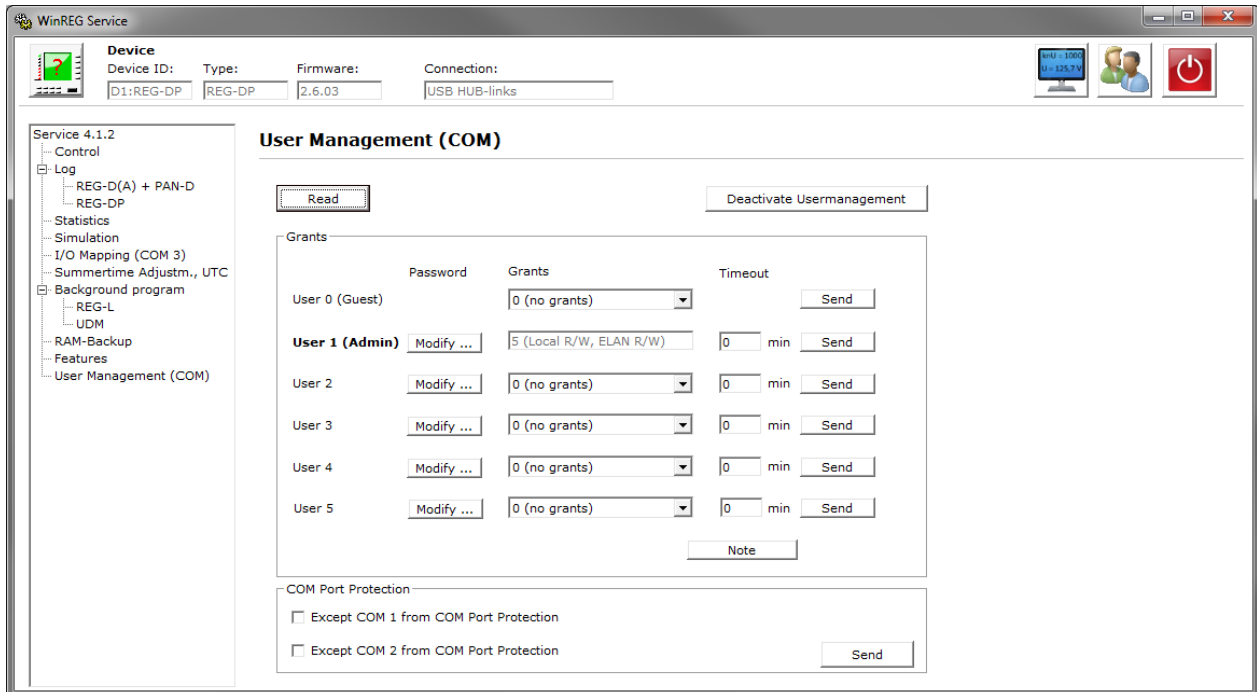
+ Login manager (easy access to devices whose serial interfaces are password-protected)

With the help of the login manager, created users of the serial interface can log on to the device. After login successfully, the usual parameter changes can be carried out, depending on the user rights set up.
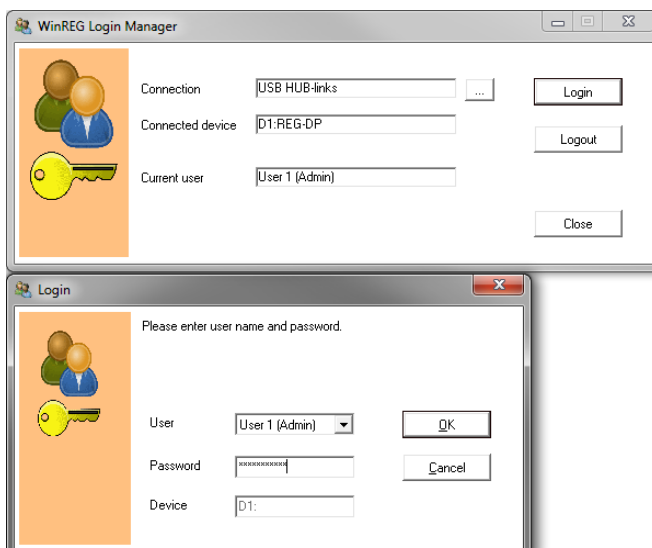
Panel:

+ View of inputs, outputs and LEDs
In the extended view of the panel with additional inputs and outputs, only mapped channels will be displayed in additional COM3 boxes. Furthermore, added LEDs are displayed in several columns and can be selected by default in standard settings.
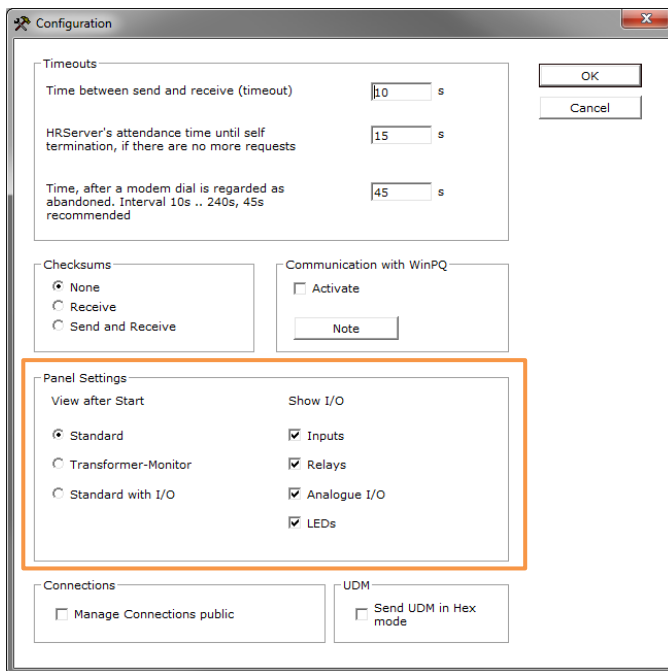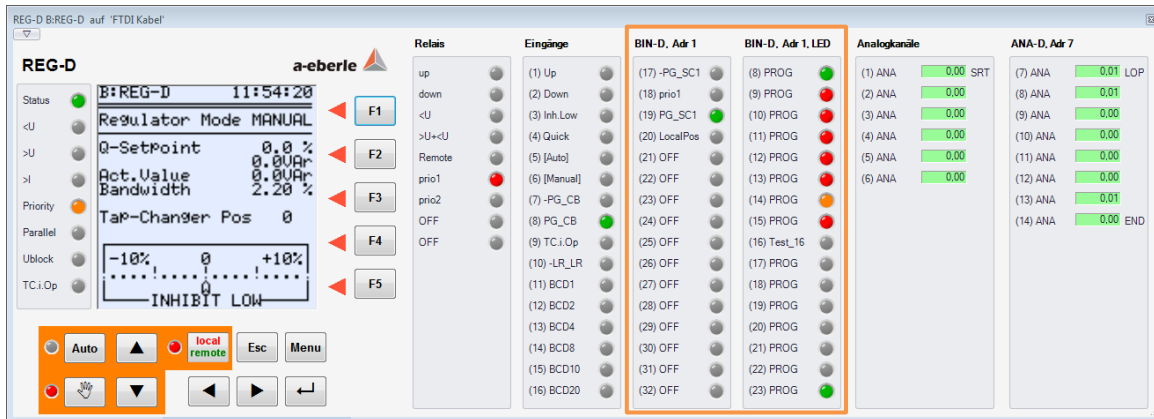
+ Improved stability
For a stable connection between a plugged controller and the screen via WinREG panel, improvements were made in the server and various timers.

Known issues and limitations

+ nor errors and comments