

History of the isegCANHVControl

- 1.12 NMT-sevice was fit to CAN ports unequal 1 (0)
- 1.13 global set of a bit rate on CAN port greater than 1 also
- 1.14 device class 8 for the control of PHQ's
- 1.15 global set of the bit rate secured, CAN bus state, ramp speed with colon also
- 1.17 474xxx module
- 1.18 DBT / NMT Service
- 1.19 474xxx REvalErrStatBound, ramp speed < 1.0 v/s possible
- 1.20 store of profiles to save the current settings possible / On<->Off with different colors
- 1.21 bug found - at the global flash cycle the close variable has been erased -> there was no termination possible
- 1.22 correspond to the new help file from 12/11/04
- 1.23 bug at hardware limits dialog / handling res.cfg with time out
- 1.24 global change of the bit rate with higher delay time to erase/write 3 eeprom cells
- 1.25 LogOn after 30s 20ms -> 1s until is will received a new LogOn
- 1.26 Timer RecordTime to record the channel mesurements with the indicated time, new possibilities to initalize / reinitialize the CAN network
- 1.27 download of sequence of time stamped relay switches from a file for device class 4
- 1.28 other handling at CAN requests, try 3 times to get an answers before brings up a message window
- 1.29 supports the firmware upgrade to cancel the errors by a write access only
- 1.30 bug found while the comparing of the hex-file of the crate firmware better handling of the CAN buffer while the running crate dialog display of the fan stages of the ECH crate
- 1.31 crate status property and faster crate on/off
- 1.32 changed handling of Vset at the 16 channel modules
- 1.33 automatic driver selection via CAN hardware dialog
- 1.34 An additionl possibility to input the channel values and the ramp speed that allow a direct writing into the input lines - use the "HK" button to switch between hotkey or direct input.  
The display of the device class is a additional entry in the popup window if the mouse cursor is moved accross the HV modul entry in the isegCANHVControl window.
- 1.35 The system crate dialog is extended with additional timer for the modules while the crate is switch on.
- 1.36 INHIBIT function of device class 7, Profiles for NHQ devices
- 1.37 Input of Iset has been made mouse controlled for device serial numbers 473xxx and 474xxx
- 1.38 Dialog "Release" changed in dialog "Device information"!
- 1.39 CIOF HV dialog is fit to the hotkey handling (HK button) of the other modules
- 1.40 support for the new EHS Multi-Channel HV modules support readable "Emergency cut-off" access
- 1.41 support for EPU's
- 1.42 In some case there are problems on special systems while the firmware update of our HV modules and crates. This release should avoid this.
- 1.43 Improvements of the update possibilities of the EHS modules (group updates)  
Implementation of the Controls for the EHS modules
- 1.44 Update of EHS modules with error correction, bug in evaluation of the current digits from the file res.cfg for DC25
- 1.45 Error in creation of a Log file for CIOF channels  
Update of a mix of EHQ and EHS modules
- 1.46 Improvement of the handling for more than one crate monitoring unit and the EHS HV modules.
- 1.47 Page of the EHS floating GND HV modules with voltage and current bounds. Bug in Set of Module Control removed.
- 1.48 Implementation of the control for the EHS trip time out groups.
- 1.49 fit to the old HV modules of the device class 0 with the software release lower than 2.00

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- 1.50 The unit of the displayed current can be changed via the file ".\cfg\res.cfg" additional to the possibility to change the displayed digits of the analogical values. The temperature of the module will stored additionally at the end of every record of the actual data Vmeas and Imeas.
- 1.51 Support for the new EHS Module Status flags isKILLena, isADJ and isHWLIMgd  
The unit of the displayed voltage can be changed via the file ".\cfg\res.cfg" additional to the possibility to change the displayed digits of the analogical values.
- 1.52 Support of the PEAK CAN hardware via the isegpcan.dll.  
Support of the SYS TEC USB CAN hardware via the isegscan.dll.
- 1.53 Support of the PEAK CAN hardware via the isegpcan.dll CAN channels numbering has been changed from 1..16 to 0..15.  
Support of the SYS TEC USB CAN hardware via the isegscan.dll CAN channels numbering has been changed from 1..16 to 0..15.
- 1.54 Single updates of the EHS modules with improvements against interruptions of the flash update.  
Better handling of the decimalpoint in the German WINDOWS.
- 1.55 Program flash update for all EHS modules of the same device class selected by the name of the firmware.
- 1.56 Implementation of the Mod0 bit in the Set Group and in the Monitoring Group
- 1.57 Support for new device E08F2 and additional instructions ADC SamplesPerSecond, Digital Filter, Name of firmware
- 1.58 Support for 12 channel VHS;  
Additional delay time in the update cycle to make updates of HV modules with a change from 8MHz to 24 MHz E-Takt.
- 1.59 More information during the change of polarity with CIO for DPS with EPU.  
remove a bug during the upload of profiles
- 1.60 The display of more than 16 Multi-Channel moduls in the MainForm without a yellow flicker.
- 1.61 NMT CHANNEL GROUP SET and NMT MOD SET commands has been implemented to demonstrate the NMT channel group set and module set commands. The NMT group set commands will use the group number zero. All channels have the group number zero after power on, which means that the commands get a global state for the channels of the whole system.  
Channel:  
NMT group voltage set  
NMT group current set  
NMT group control set  
Module:  
NMT voltage ramp speed set  
NMT current ramp speed set  
NMT control set
- 1.62 NMT CHANNEL GROUP SET and NMT MOD SET with additional commands  
Channel:  
NMT group event mask set  
Module:  
NMT evnt mask set  
NMT event channel mask set
- Time out time for firmware updates has been increased.
- 1.63 EDS HV Module with channel numbers lower than 16  
control of new EBS HV modules E08B0
- 1.64 Firmware updates with internal signal handling, decreases the system load;  
remove a bugfix for EHQ08F4 (device class 7)
- 1.65 support for VDS 24
- 1.66 support for CIO 10 channels
- 1.67 support for windows 7
- 1.68 support for E08C2 common floating GND HV module with two ranges of current
- 1.69 M16IO, TxxIO, bias point adjustment for vset with num block of the keyport in steps of a predefined Accuracy=1  
VK\_ADD: Vset plus accuracy  
VK\_SUBTRACT: Vset minus accuracy

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VK\_NUMLOCK: accuracy=1  
VK\_NUMPAD6: accuracy=Accuracy\*10  
VK\_NUMPAD4: accuracy=Accuracy/10

1.70 - P07C0

- Improvements in the handling of communication errors.
- The default setting of the close dialog is the "Cancel" button now. The button "Yes" is the default button of the close dialog by starting of isegCANHVControl with parameter "IBT".

When the CAN bus hardware is installed the first time on a PC - please, refer the manual "CAN Remote Control"!