

Configuration CAN Modules



Version V 1.02

Contents

	Page
1 Impressum	2
2 Software Installation under Windows®	3
2.1 Identification	3
2.2 Reading the Power-On Message.....	3
2.3 Parameter Setting with DaSoft	5
2.4 Parameter Setting Amplifier Configuration.....	6

1 Impressum

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2 Software Installation under Windows®

Identification of the configuration and parameter setting is done with the software „DaSoft“ installed on a PC.

The module can be addressed with the software via a USB-CAN-Adapter after the following steps:

- Install drivers for the USB-CAN-Adapter per manufacturers' instructions
- Install DaSoft
- Connect USB-CAN-Adapter with USB interface of PC

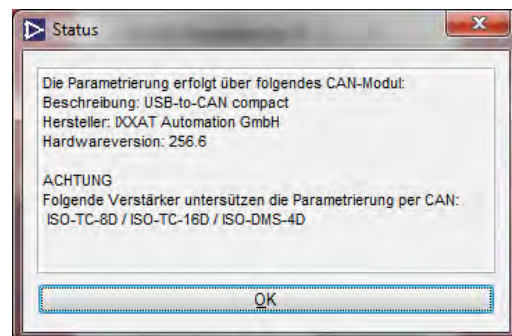
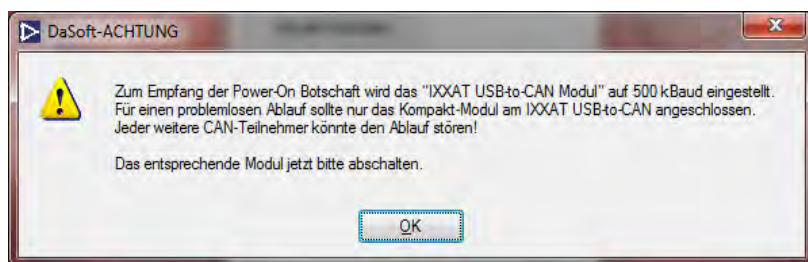
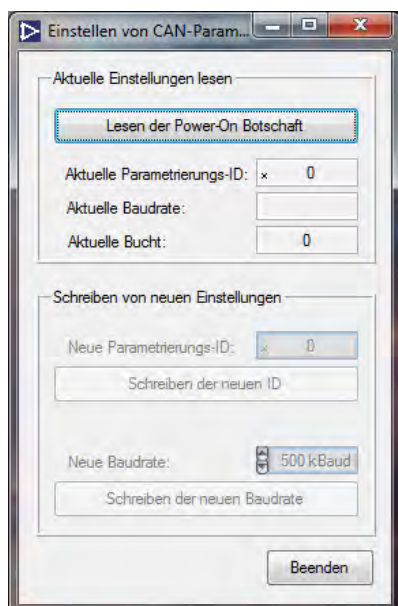
2.1 Identification

When powered, the module is sending once a CAN message with its baud rate and parameterization ID. If it cannot send it with a preset baud rate, it automatically adjusts to a 500 kBaud rate and resends the Power-On message. The rate of 500 kBaud is kept until next switching on. Factory settings are parameterization ID 200 and broadcast ID 101 for data acquisition.

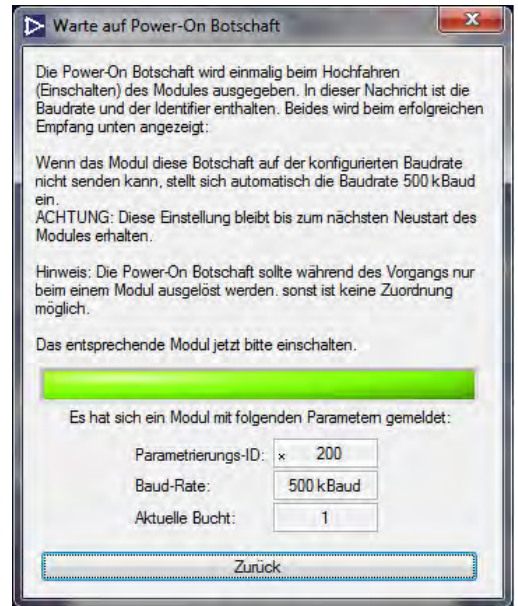
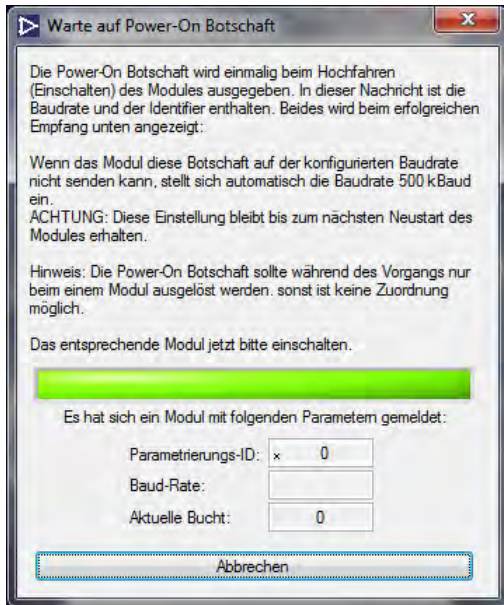
2.2 Reading the Power-On Message

If the module is operated stand-alone (not connected to a CAN bus), it has to be terminated with a 120 Ω resistance. DaSoft needs to be started with the extension „CANParameter“ (as per program menu: ...\\Imtron\DaSoft_51712-CAN, if so with a shortcut on the desktop) to read the Power-On message, and to change CAN parameters.

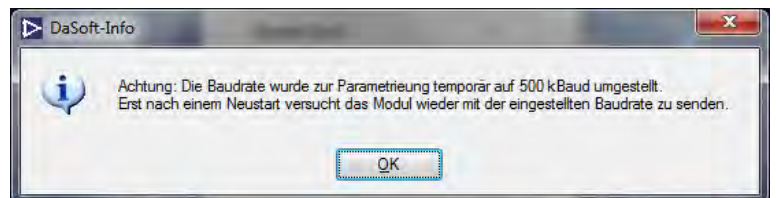
- Connect the (powerless) module to the USB-CAN-Adapter. Confirm reading Power-On message (if the module was powered after all, switch it off now), confirm notice and status at a time.



- Connect module with power. Parameters are now shown bottom right in the message:

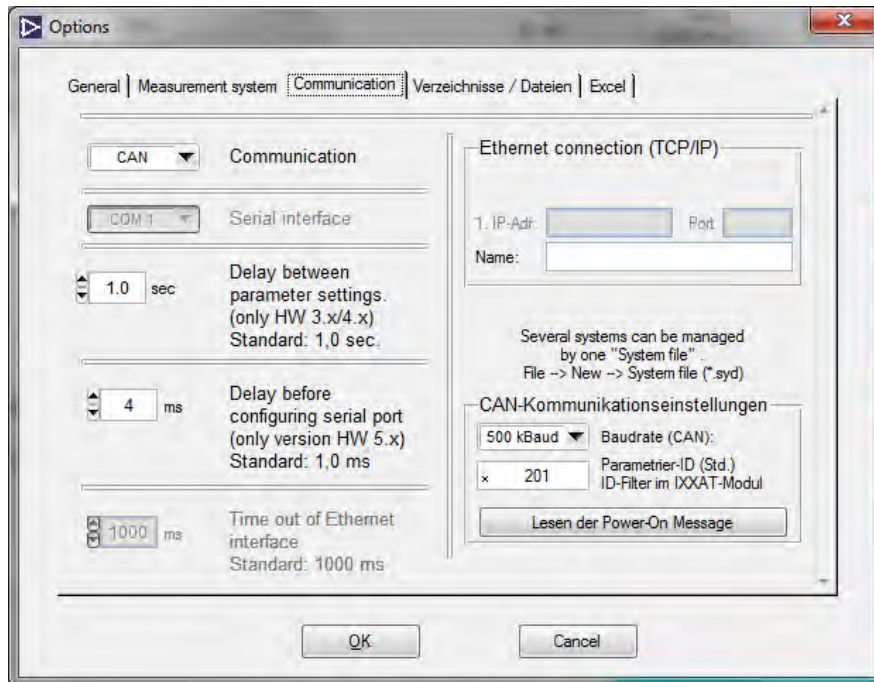


- Pressing "Back" leads back to the initial dialog for final closing. Alternatively another parameterization ID (if necessary) and other baud rates can be set and changed in this window. The CAN broadcast ID is to be changed with the parameter setting software.

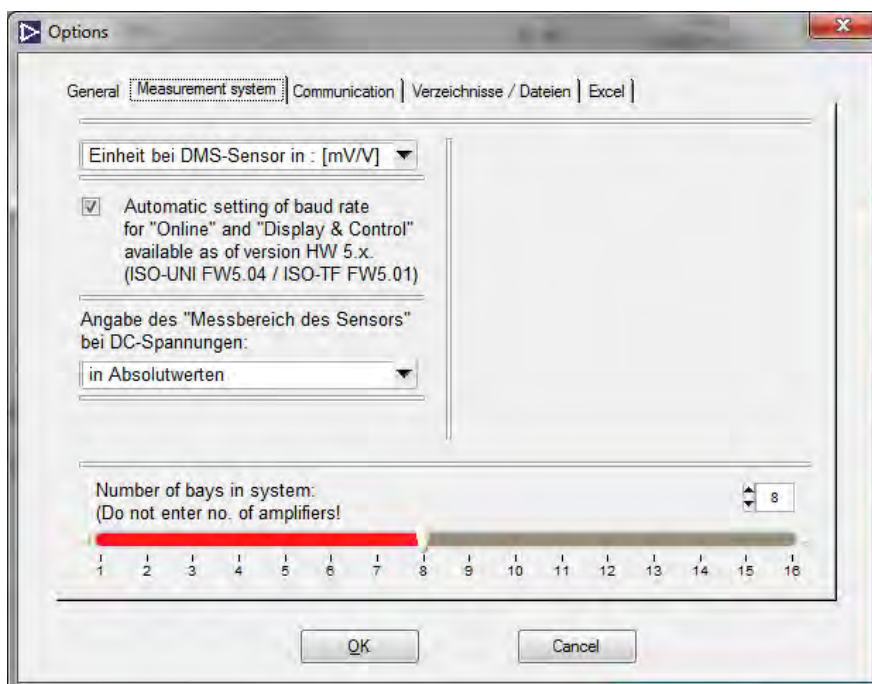


2.3 Parameter Setting with DaSoft

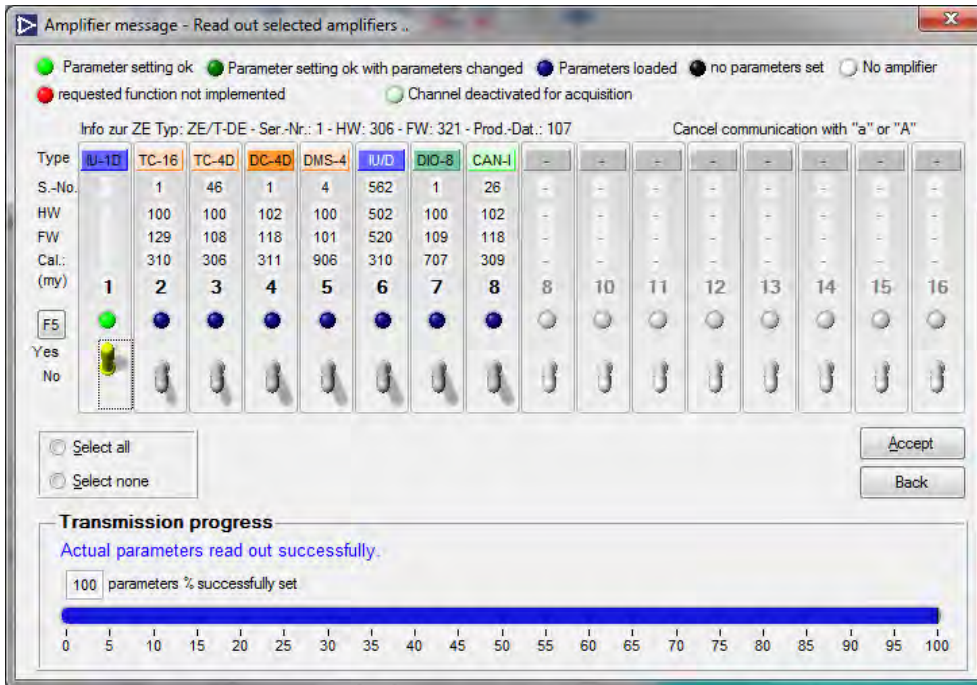
- Start DaSoft and choose "CAN" under "Extras → Options → Communication".
- Leave baud rate (500 kBaud) and parameterization ID (x200) under "CAN Communication Settings" as set, or if configured differently enter changed values. Reading Power-On message once again is not needful!



- "Number of bays in system" has to be kept at 8 (standard) under tab "Measurement system". The CAN module is addressable under amplifier no. 1.

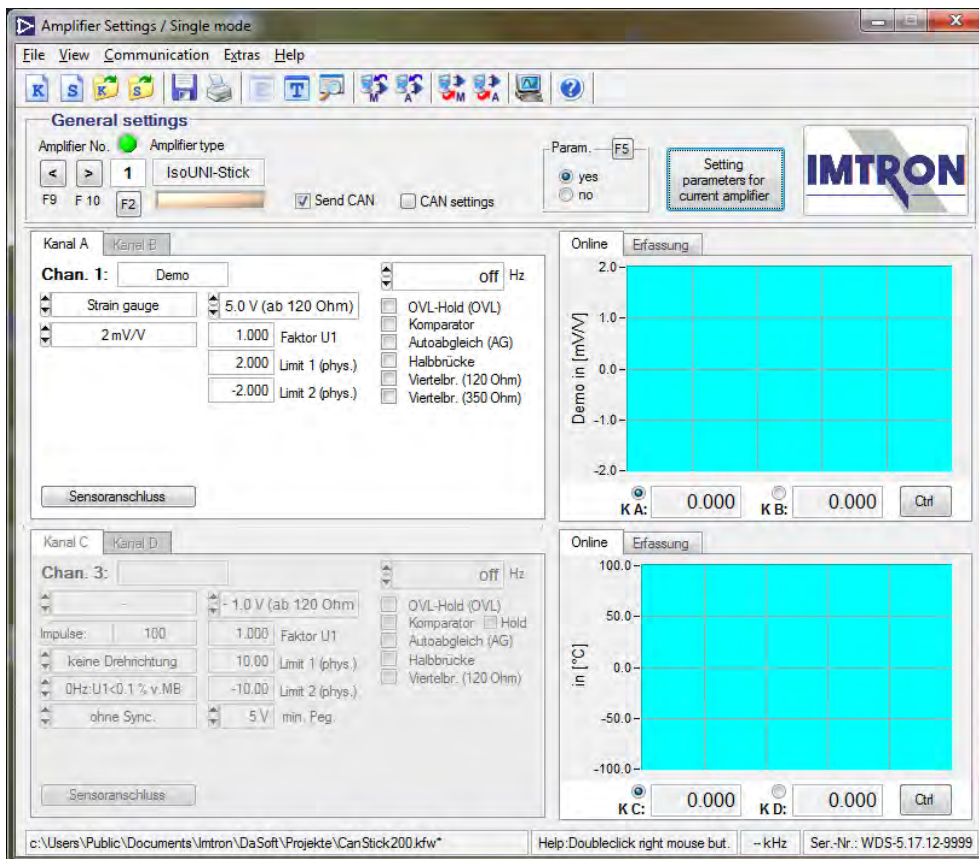


- Now the CAN module can be read out per "(Communication →) Read out selected amplifiers" with 1st bay marked by pressing "Accept".
- The windows shows 8 amplifiers, where the first one is corresponding to the CAN module.

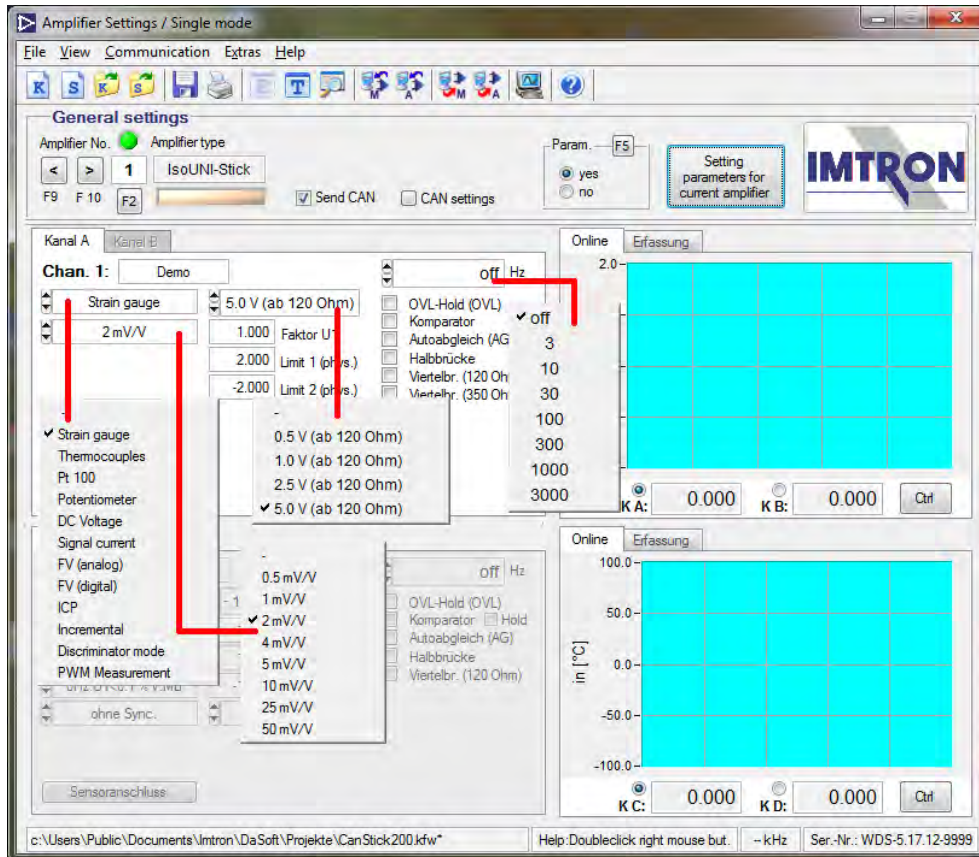


- Pressing "Back" leads to the single mode amplifier settings:

2.4 Parameter Setting Amplifier Configuration



- With the different pull-down menus selection of type of sensor, measurement range, excitation, and filter frequency can be made.



2.4.1 Parameter Setting CAN Configuration

- The CAN Settings window is for defining the CAN ID, type of broadcast, etc. for the amplifier.

