Configuring the Steinwald DC-HI-Net interface

Prerequisite: Download the DC 32 module from the homepage:

https://www.m-service.de/seiten/gb/gb_software/



Setting the interpolation of the built-in measuring systems



If an incorrect value is displayed for the measurement section traversed, the interpolation of the interface must be set up again. The procedure is as follows.

Launch the aforementioned DC 32 module.

| DC Demo: File Setup | 32 Version: 1.00.3 Info | | | | - | |
|------------------------|----------------------------|------------------|--------|---------|----------------------|-----------------|
| No. of ch | annels 2 Por | t: COM3 9600 Bau | d | | | <u> </u> |
| channel | actual value | triggered value | TRG | STA RES | hexadecimal value | |
| 1 | 0.7149 | | | | A2 00 0C 00 00 71 49 | -10 |
| 2 | 0.0000 | | | | A3 00 0C 00 00 00 00 | - |
| | | | | | | * +10 |
| ACT | MAX N | fIN Range | MMRClr | RESET | CLS No.assgnmt | USB RESET |

For "Setup", go to the RS 232 Setup item and select the correct COM connection. The connection will be created and the data transmitted.

| hannel | actual value | trigger | C RS232-Setup | S | hexadecimal value | |
|--------|--------------|---------|------------------|-------|----------------------|-----|
| 1 | 0.7149 | | PC-COM COM3 - | | A2 00 0C 00 00 71 49 | -10 |
| 2 | 0.0000 | | baud rate 9600 💌 |] | A3 00 0C 00 00 00 00 | |
| | | | INDICATION WIND | DW on | | |
| | | | OK | | | |

In the "Setup" menu, activate the "DC-Hi-Net Interface Setup" subprogram.

| PC RS232 Setup PC Port neu initialisieren | F9 Ctrl+F9 | ud | | | | | |
|--|---------------|----|--------|---------|----------------|---------|---|
| COM Info | | | TRG | STA RES | hexadecimal va | lue | |
| DC-HI-NET Chaining DC-HI-NET Radio Setup | Alt+F3 | Ľ | 110 | NA NES | A2 00 04 00 00 | 97 30 | |
| DC-HI-NET Interface Setup | Alt+F1 | | | | A3 00 0C 00 00 | 00 00 | |
| DC-HI-NET RESET Setup | Alt+F8 | | | | | | |
| DC-HI-NET Firmware Update | Alt+F2 | | | | | | |
| DC-HI-NET Autoupdate | F2 | | | | | | |
| DC-HI-NET Special | > | | | | | | |
| DC-HI-NET DIG I/O | Alt+F10 | | | | | | |
| DCDemo32 Setup | | | | | | | _ |
| DC-HI-NET Channel Scanning | | | | | | | + |
| DC-HI-NET Service | > | | | | | | _ |
| DC-HI-NET PIN | Ctrl+F10 | 1 | MMBCIr | BESET | | assannt | |

This opens the window containing the configuration data and values. You now need to set the relevant channels so that the values match the measuring systems.

| SETUP edit input driver info TRG-MOD par. 1 par. 2 par. 3 par. 4 par. 5 par. 6 baud rate data bit stop bit par. PC 127 127 127 127 127 9600 1 1 TVss Interpol. 160 Ref. off 001 127 127 127 127 38400 8 2 EV 2 TVss Interpol. 160 Ref. off 001 127 127 127 127 38400 8 2 EV | S INC2 | | | | | Rev 0 | .03 | R | el O | | 05. | 06.2012 | | | | 2 |
|---|------------|-------------|------------------|---------|--------|--------|--------|--------|--------|--------|-----|---------|--------|-----|---------|----------|
| edit input driver info TRG-MOD par. 1 par. 2 par. 3 par. 4 par. 5 par. 6 baud rate data bit stop bit par. 1 PC 127 127 127 127 127 127 127 9600 1 IVss Interpol. 160 Ref. off 001 127 127 127 127 38400 8 2 EV 2 IVss Interpol. 160 Ref. off 001 127 127 127 127 38400 8 2 EV | SETUP- | | | | | | | | | | | | | | | |
| PC 127 127 127 127 127 9600 1 1Vss Interpol. 160 Ref. off 001 127 127 127 127 38400 8 2 EV 2 1Vss Interpol. 160 Ref. off 001 127 127 127 127 127 38400 8 2 EV | edit input | driver | info | TRG-MOD | par. 1 | par. 2 | par. 3 | par. 4 | par. 5 | par. 6 | ba | ud rate | data t | oit | stop bi | parity b |
| 1 TVss Interpol. 160 Ref. off 001 127 127 127 127 38400 8 2 EV 2 TVss Interpol. 160 Ref. off 001 127 127 127 127 38400 8 2 EV | PC | | | | | 127 | 127 | 127 | 127 | 127 | | 9600 | | | | |
| 2 TVss Interpol 160 Ref. off 001 127 127 127 127 127 38400 8 2 EV | 1 | 1Vss Interp | ol. 160 Ref. off | | 001 | 127 | 127 | 127 | 127 | 127 | Г | 38400 | 8 | | 2 | EVEN |
| | 2 | 1Vss Interp | ol. 160 Ref. off | | 001 | 127 | 127 | 127 | 127 | 127 | Г | 38400 | 8 | | 2 | EVEN |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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In the next step, go to "Edit/Input 1" and enter the value 005 into Par 1. You now have the correct interpolation for the built-in measuring systems. Then accept / save values.

| | | | | | _ | | | | | | | | TYPE - |
|---------------------------------------|-----------------------------|--------------|----------|---------|----------------|---------|--------|--------|-----------|-----------|------------|------|--------------|
| S INC2 | | | | | Rev 0 | .03 | Re | el O | | 05.06.20 | 12 | | 2 |
| SETUP | | | | | | | | | | | | | |
| edit input | driver info | TRI | G-MOD | par, 1 | par. 2 | par. 3 | par. 4 | par. 5 | par. 6 | baud rate | e data bit | stop | oit parity b |
| lit | | | _ | | 127 | 127 | 127 | 127 | 127 | 0.60 | 10 | _ | |
| input | driver | TRG-MOD | par. 1 | par. 2 | par. 3 | par. 4 | par. 5 | par. 6 | baud rate | e data | abit stop | bit | parity bit |
| 1 1Vss | Interpol. 160 Ref | off | | 127 | 127 | 127 | 127 | 127 | 38400 | • 8 | • 2 | - | EVEN - |
| 1 | | | - | 1 | 1 | 1 | 1 | 1 | 100400 | | - 1- | | |
| , | | | | | | - | 1 | , | 100400 | | | | |
| AUTION: /rong param onnected de | eter setting may evices! | cause damage | is to DC | -HI-NE | r interfa | ces and | to | | P | | Save | | Close |
| AUTION: frong param | eter setting may evices! | cause damage | es to DC | -HI-NE | r interfa | ces and | to | | P | <u>N</u> | Save | | Close |
| AUTION: frong param | eter setting may evices! | cause damage | es to DC | -HI-NE | l F interfa | ces and | to | | P | IN | Save | | Close |
| AUTION: Frong param | eter setting may svices! | cause damage | es to DC | :-HI-NE | ſ interfa | ces and | to | | P | <u>N</u> | Save | | Close |

As the next step you also need to change Input 2 and every other channel that is active to the correct interpolation. Then accept / save values.

| SINC2 SETUP edit input driver info TRG-MOD par, 1 or I fit | Rev 0.03 | Rel 0 | 05.06.2012 ar. 6 baud rate data bit st | op bit parity bi |
|---|---------------------|-----------------|---|------------------|
| SETUP edit input driver info TRIG-MOD par. 1 on I fit | par. 2 par. 3 | par.4 par.5 p | ar. 6 baudirate data bit si | op bit parity bi |
| DC Jit | 127 127 | 127 127 | | |
| | | | 127 0600 | |
| input driver TRG-MOD par. 1 par. 2 2 1Vss Interpol. 160 Ref. off 003 127 | par. 3 par. 4 | par. 5 par. 6 b | aud rate data bit stop bit 38400 💌 8 💌 2 💌 | parity bit |
| CAUTION: Vrong parameter setting may cause damages to DC-HI-NE zonnected devices! | T interfaces and to | 5 | PIN Save | Close |
| | | | | |
| | | | | |
| | | | | |

The measuring system display in the metric will now be displayed as plus in the rightward direction of movement and as minus in the leftward direction of movement. Should this be in the opposite direction, then you need to change the interpolation by entering the value 037 into Par. 1 and Par.2. Then accept / save values.

| FIRMWARE - | | | | | | | | | | | -1-1 | YPE - |
|---------------------------------------|--------------------------------|---------------------|---------|-----------|---------|--------|--------|---------|-----------|------------|-----------|----------|
| S INC2 | | | | Rev 0 | 03 | Re | el O | | 05.06.20 | 12 | -Γ | 2 |
| SETUP | | | | | | | | | | | | |
| edit input | driver info | TRG-MOD | par. 1 | par. 2 | par. 3 | par. 4 | par. 5 | par. 6 | baud rate | data bit | stop bit | parity b |
| pc | | | | 127 | 127 | 127 | 127 | 127 | 080 | 0 | | |
| lit | | | | | | | | | | | | |
| input | driver | TRG-MOD par. 1 | par. 2 | par. 3 | par. 4 | par. 5 | par. 6 | baud ra | te data | bit stop b | iit paril | y bit |
| 1 IVss | Interpol 200 Ref | off | 127 | 127 | 127 | 127 | 127 | 38400 | • 8 | • 2 | ▼ EV | EN 🔻 |
| | | | | | 1 | 1 | 1 | | | | | _ |
| AUTION: ∉rong param connected d | neter setting may o evices! | cause damages to D(| :-HI-NE | T interfa | ces and | to | | | PIN | Save | | Close |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

By pressing the "Accept" button you will automatically save the relevant settings. Finally, press Close to exit the program.

| FIRMWARE | | | | | | | | | | | | | TYPE |
|--|---|------------------------|-----------------|----------------|------------------|----------------|-----------|--------|---------|-------------|--------------|----------|--------------|
| S INC2 | | | | | Rev 0 | .03 | R | el 0 | | 05.06.201 | 12 | | 2 |
| SETUP | | | | | | | | | | | | | |
| edit input | driver info | TR | G-MOD | par. 1 | par. 2 | par. 3 | par. 4 | par. 5 | par. 6 | baud rate | data bit | stop bit | parity b |
| pr | | | | | 127 | 127 | 127 | 127 | 127 | 080 | 0 | | |
| dit | | | | | | | | | | | | | |
| input | driver | TRG-MOD | par. 1 | par. 2 | par. 3 | par. 4 | par. 5 | par. 6 | baud ra | ate data | bit stop | bit pa | rity bit |
| | | | | | _ | | | - | | | | | |
| 2 1Vss | Interpol. 200 Re | f. off | 037 | 127 | 127 | 127 | 127 | 127 | 38400 | ▼ 8 | ▼ 2 | ▼ E | VEN 🔻 |
| 2 1Vss | Interpol. 200 Re | f. off | 037 | 127 | 127 | 127 | 127 | 127 | 38400 | ▼ 8 | • 2 | .▼ E | VEN <u>-</u> |
| 2 1Vss | Interpol. 200 Re | f. off | 037 | 127 | 127 | 127 | 127 | 127 | 38400 | <u>▼</u> 8 | • 2 | <u> </u> | VEN <u></u> |
| 2 1Vss CAUTION: ∳rong parar | Interpol. 200 Re | f. off cause damag | es to D(| 127 | 127 F interfa | 127 ces and | 127 to | 127 | 38400 | <u>•</u> 8 | <u>▼</u> 2 | • E | VEN <u></u> |
| 2 1Vss AUTION: Frong parameter | Interpol. 200 Re meter setting may levices! | f. off cause damag | 037 es to D(| 127 | 127 interfa | 127 ces and | 127 to | 127 | 38400 | • 8 | ▼ 2 Save | • [E | Close |
| 2 1Vss CAUTION: ⊀rong parar connected d | interpol. 200 Re meter setting may levices! | f. off cause damag | es to D(| 127 C-HI-NE | 127 F interfa | 127 ces and | 127 to | 127 | 38400 | • 8 | ▼ 2 Save | • E | Close |
| 2 1Vss CAUTION: Vrong parar | interpol. 200 Re meter setting may levices! | f. off cause damag | es to D(| 127 C-HI-NE | 127 F interfa | 127 | 127 to | 127 | 38400 | ▼ 8 | ▼ 2 Save | • [E | Close |
| 2 1Vss CAUTION: #rong parar connected d | Interpol. 200 Re meter setting may levices! | f. off cause damag | es to DC | 127 :-HI-NE | 127 | 127 ces and | 127 to | 127 | 38400 | ▼ 8 | ▼ 2 Save | • E | Close |
| 2 1Vss | interpol. 200 Re motor sotting may levices! | rf. off cause damag | es to DC | 127 | 127 | ces and | 127 to | 127 | 38400 | PIN | ▼ 2 Save | | Close |
| 2 1Vss | i Interpol. 200 Re | rf. off cause damag | es to DC | 127 HI-NE | 127 [interfa | ces and | 127 to | 127 | 38400 | ▼ 8 | Save | | Close |

In addition to these instructions you can watch an application video (No. A-19) on our website. In that case please send us an E-mail to <u>info@m-service.de</u> or <u>info@kitotec.biz</u>. We will then send you the access data for the training videos.

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