20. Nov. 2009

BALLUFF
sensors worldwide

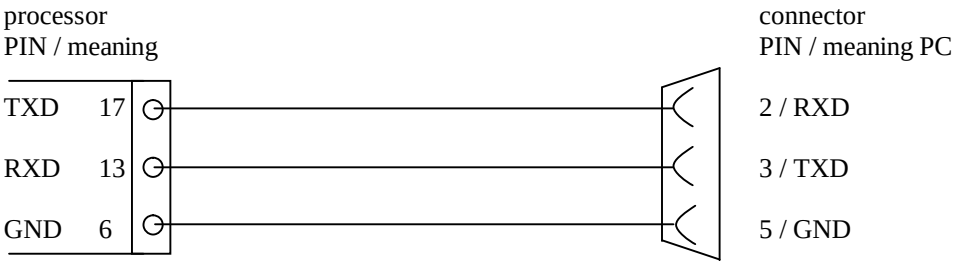
Software-Update BIS Prozessors

1. Connect the BIS processor to the PC without power supply on the BIS processor.

a) PC interface 9-polig SUB D

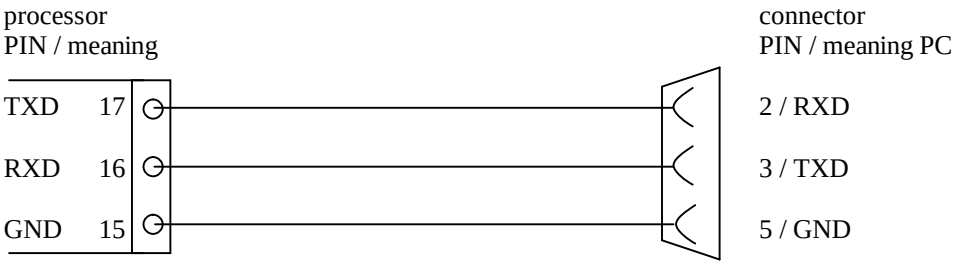
1. BIS C-601/621-.... INTERBUS with plastic or metal housing

There is a 3 wire cable and a 9-pol SUB D female connector needed.



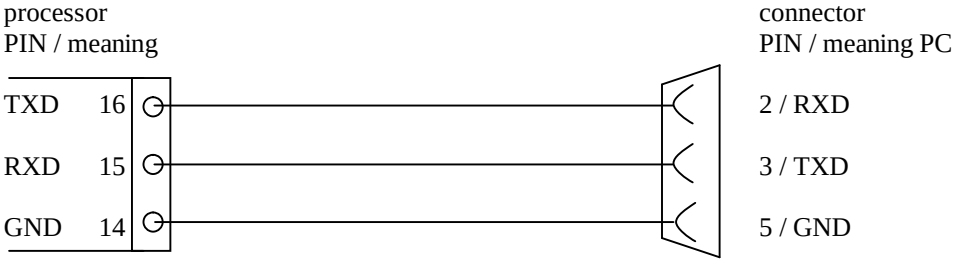
2. BIS C/L/M-6001-.... INTERBUS with plastic housing

There is a 3 wire cable and a 9-pol SUB D female connector needed.



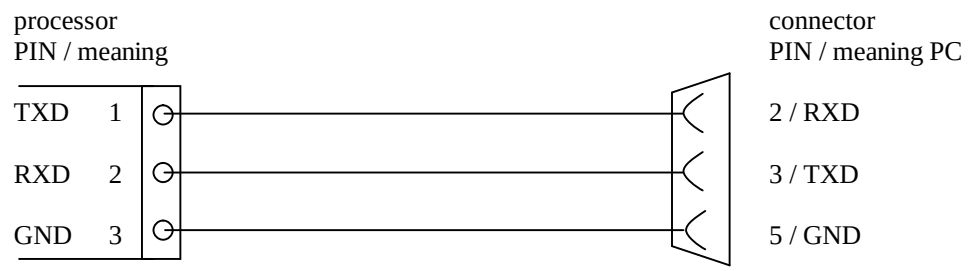
3. BIS C-600-007-… SERIAL and BIS C/L/M/S-6002-.... PROFIBUS with plastic housing

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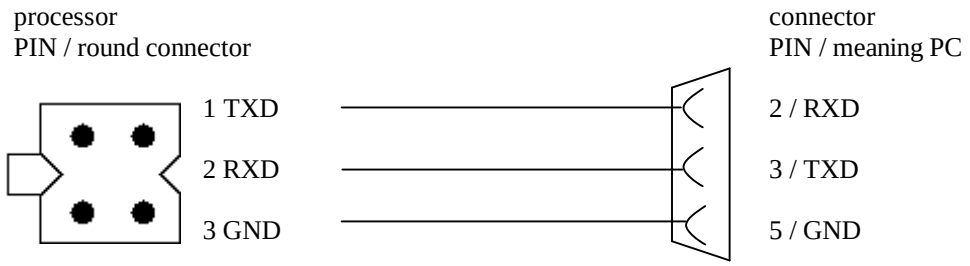
4. BIS C/L/M/S-6003-.... DEVICENET with plastic housing

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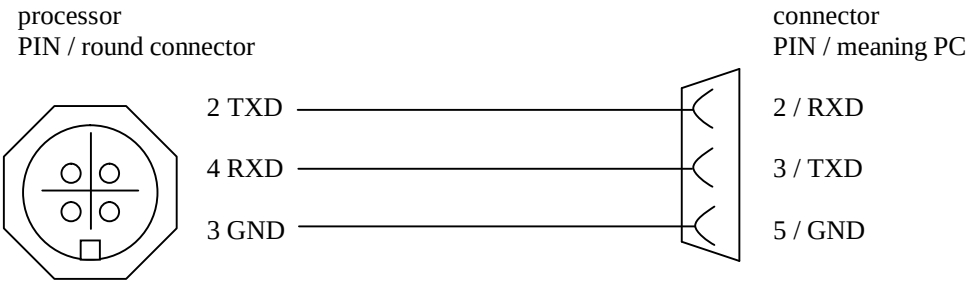
5. BIS C/L/M-6008-… PROFINET with plastic housing

There is a 3 wire cable, a 9-pol SUB D female connector and a 2x2 pin socket housing connector needed. Or the cable BIS Z-AK-001-PU1-03 with connector BIS x-6028 Service is needed.



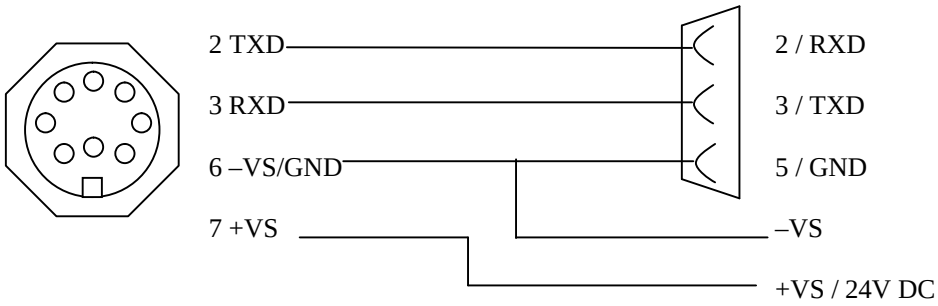
6. BIS L/M-60x0 SERIAL with metal or plastic housing,
BIS C/L-6021-.... INTERBUS with metal housing,
BIS C/L/M/S-6022.... PROFIBUS with metal housing,
BIS C/L/M/S-6023.... DEVICENET with metal housing,
BIS C/L/M/S-6026 ETHERNET/IP with metal housing,
BIS C/L/S-6027 TCP/IP with metal housing,
BIS C/M-6028-…. ETHERNET/IP with metal housing and
BIS C/L/M/S-81x, C-82x Handheld Programmer

There is a 3 wire cable, a 9-pol SUB D female connector and a 4 pin round connector M12 needed or cable BIS C-522-PVC-02.



7. BIS L/M-400, M-401-.... SERIAL

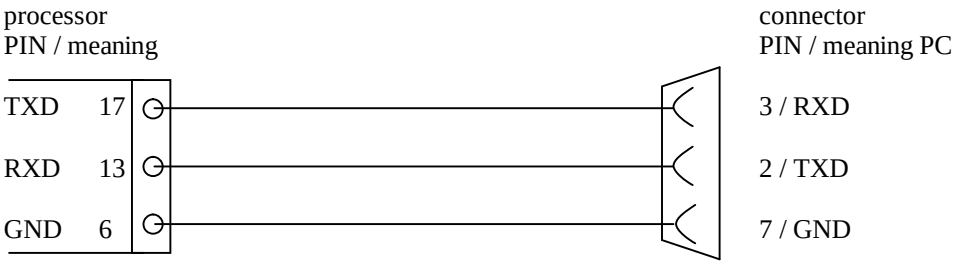
There is a 4 wire cable, a 9-pol SUB D female connector and an 8 pin round connector M12 needed or cable BIS Z-AK-001-PU1-03.



b) PC interface 25-pol SUB D

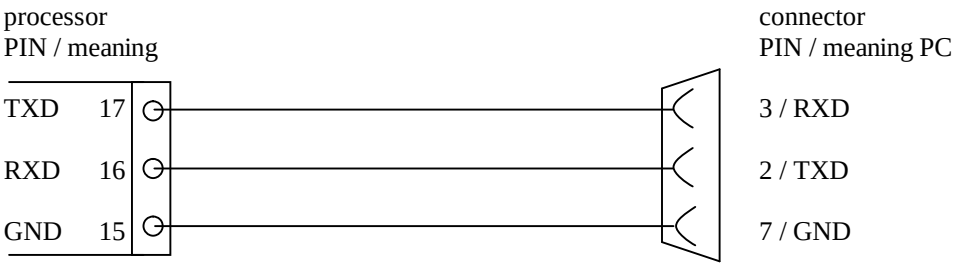
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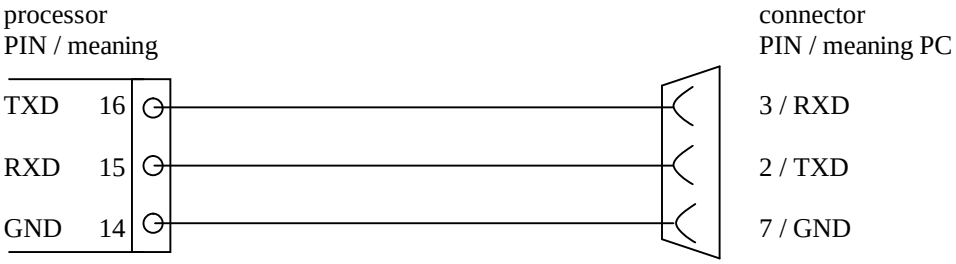
2. BIS C/L/M-6001-.... INTERBUS with plastic housing

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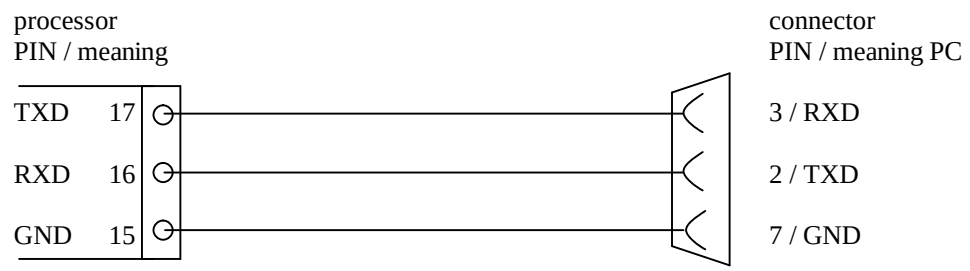
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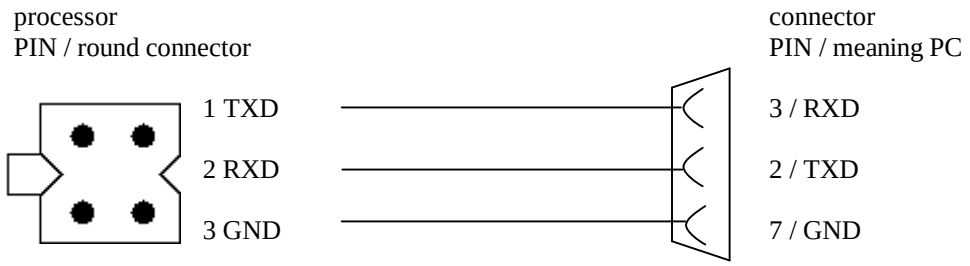
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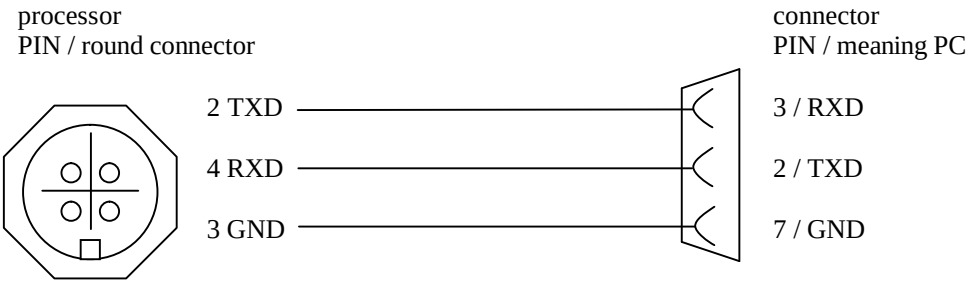
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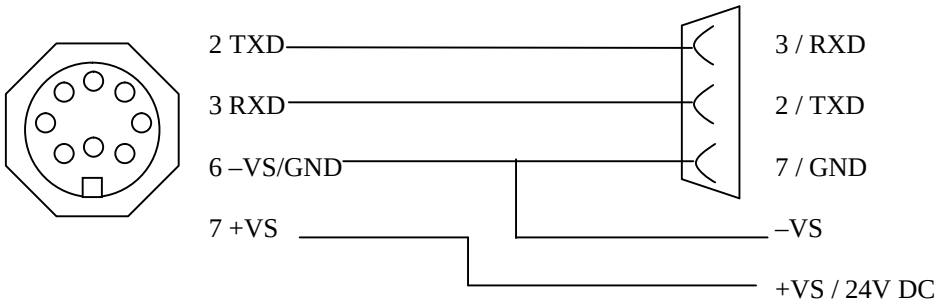
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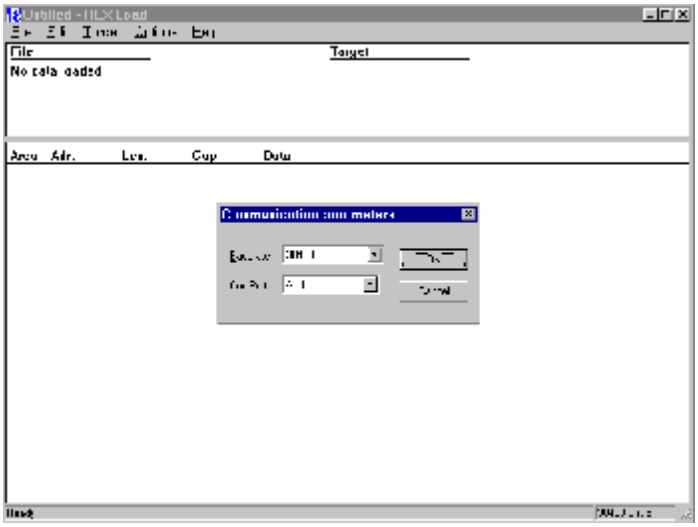
7. BIS L/M-400, M-401-.... SERIAL

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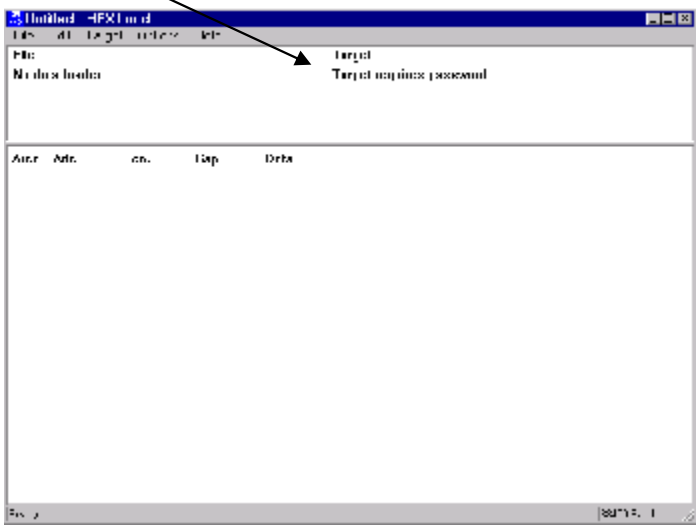


2. Start software "HEXLOAD.EXE

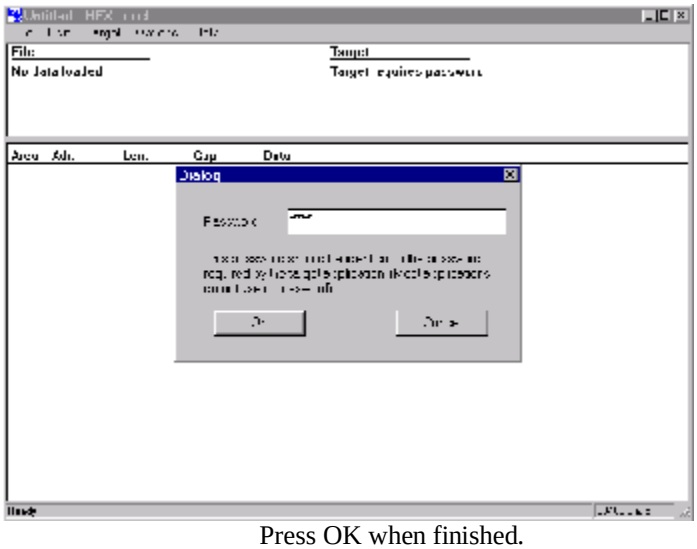
3. With menu "Options" à "Communication" set baud rate to 38400



4. <u>Now power up</u> the processor unit BIS. The message "Target requires password" will occur.

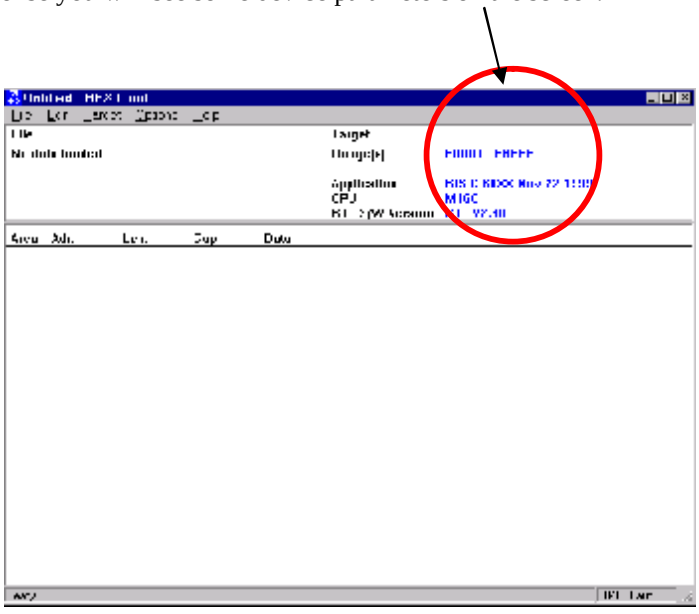


5. With menu "Options" à "Password", type the string BISC6. All in big letters.

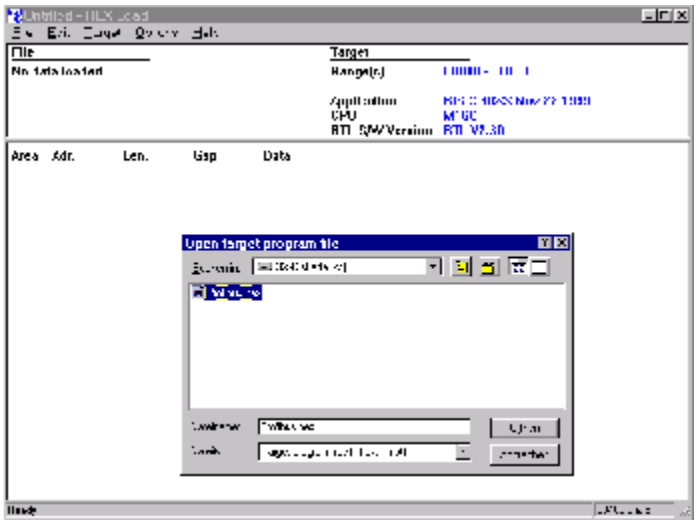


Press OK when finished.

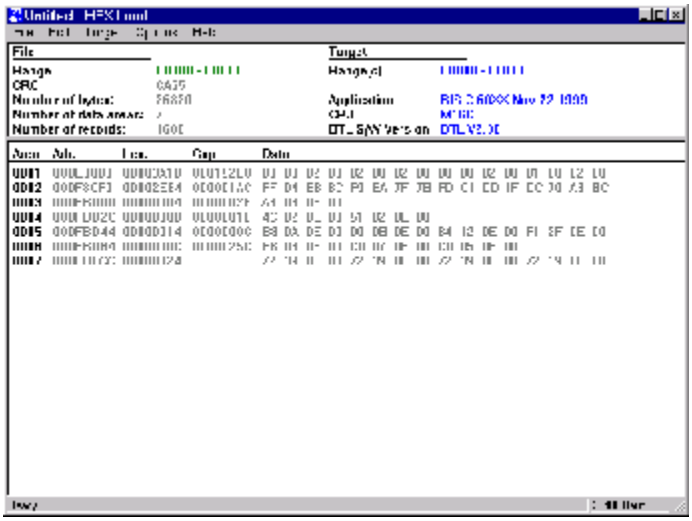
As a positive response you will see some device parameters on the screen.



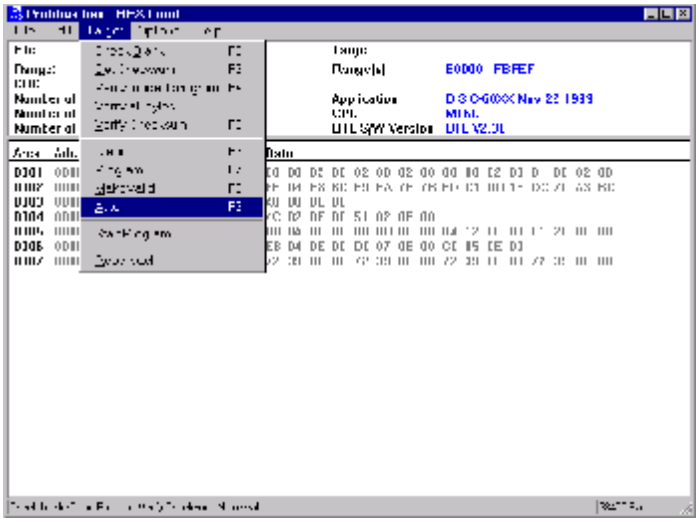
6. Select the new software file with the "File" à "Open" menu.



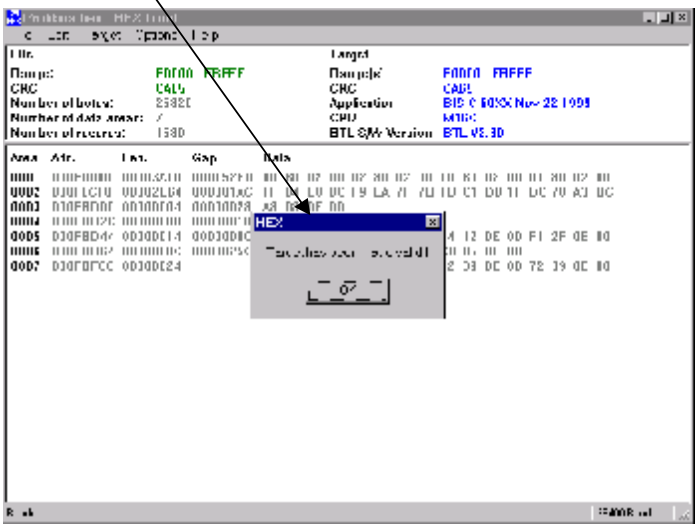
After loading the new file, more information will be shown on the screen.



7. Menu "Target" à "Auto" will send the new file to the processor.



The positive response is "Target has been made valid"



Now you can exit the program. Switch off the power supply from the processor and disconnect the serial cable.

With a new power on, the new software is running.