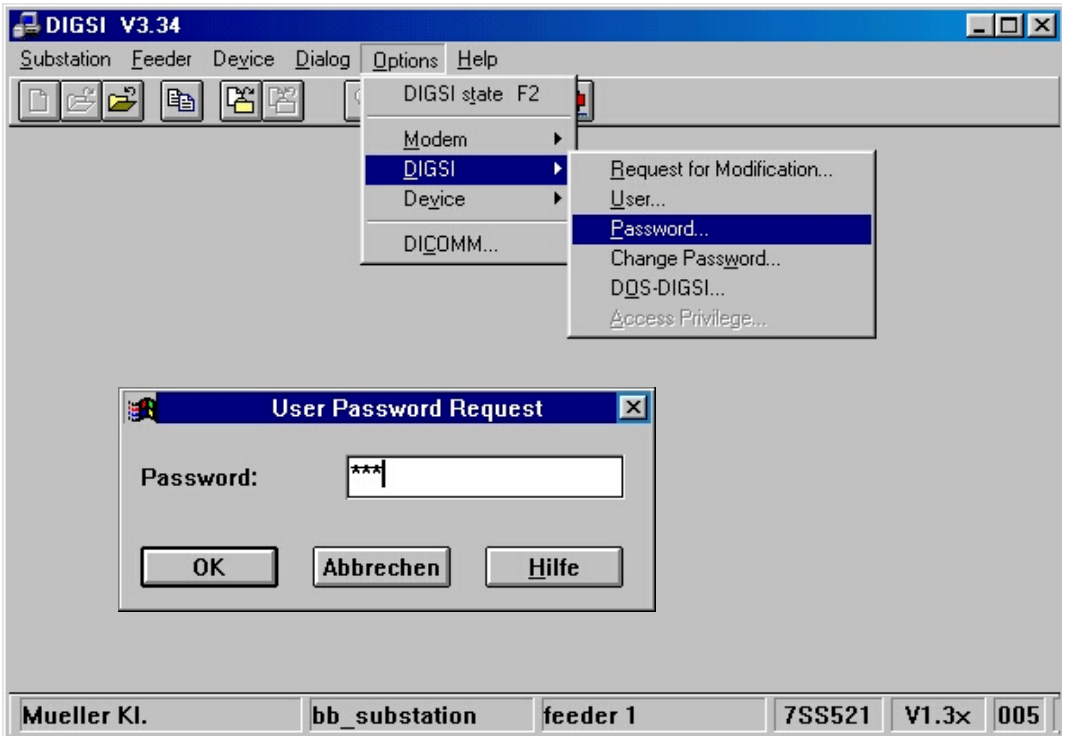
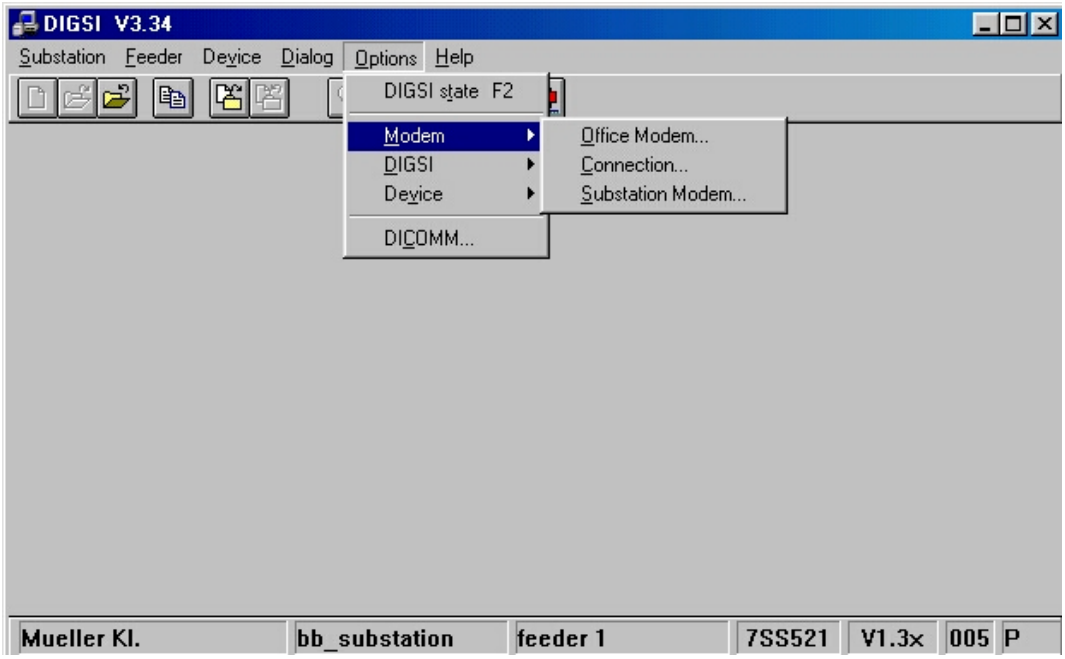
Installation of Modems MT2834 with DIGSI V3



Input of the User Password



Choose the „Office Modem“
Then select „New Modem“

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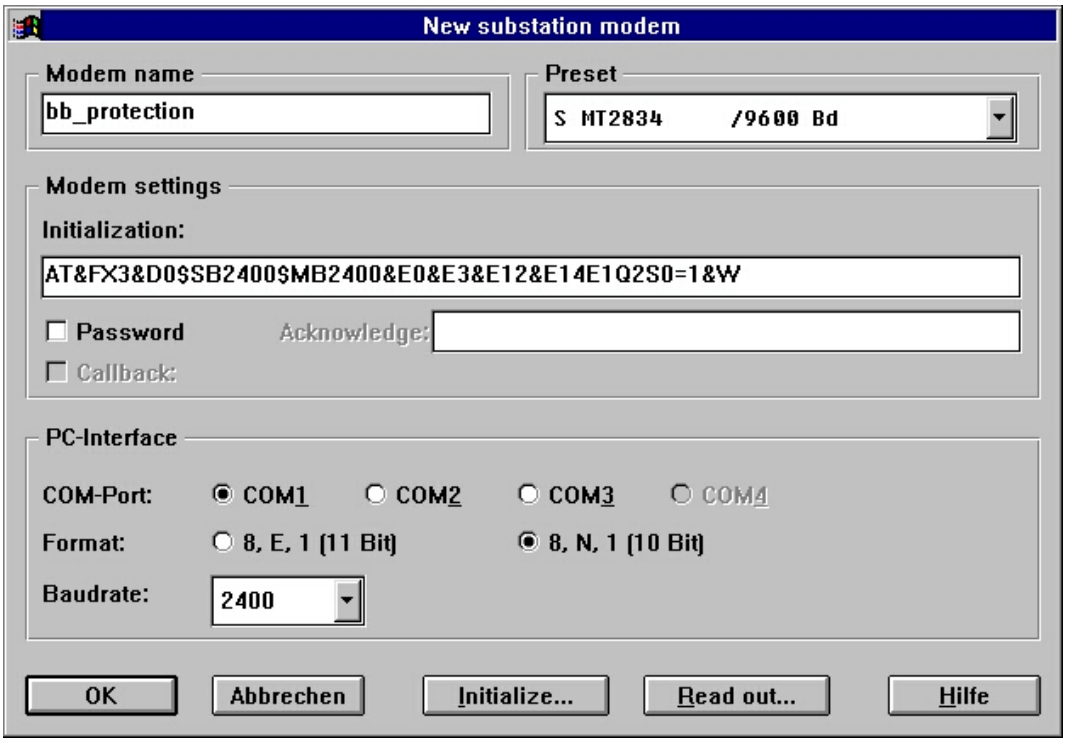
Create Substation Modem MT2834 with DIGSI V3



- Choose a name as you like under “Modem name“
- Choose „Presettings“ „S MT2834 /9600 Bd“
- Change „Initialisation“

  AT&FX3&D0$SB2400$MB2400&E0&E3&E12&E14E1Q2S0=1&W

  Description of the commands:

AT	AT-command follows
&F	load factory settings
X3	Calling from private exchange
&D0	control signal DTR is ignored as not supported by protection device
$SB2400	fixed Baud rate to the protection device
$MB2400	fixed Baud rate at the connecting line
&Exx	error correction and data compression are switched off
E1	Echo off in data mode
Q2	Echo off in command mode
S0=1	Pick-up call after first ring tone
&W	Settings are stored in non-volatile memory

- Choose „COM-Port“
- Set „Format“ at „8,N,1 (10 Bit)“
- Choose „Baud rate“ 2400“ Baud
- The DIL-switch in **both modems** must be set as follows:

UP		■		■		■				■				■	■	■
DOWN	■		■		■		■	■	■		■	■	■			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Side view of the modem MT2834xx

- Connect Substation modem with a standard modem cable and switch on
- Initialise by selecting the button „Initialise“
- Connect Substation modem telephone outlet and AMS
- Ready!

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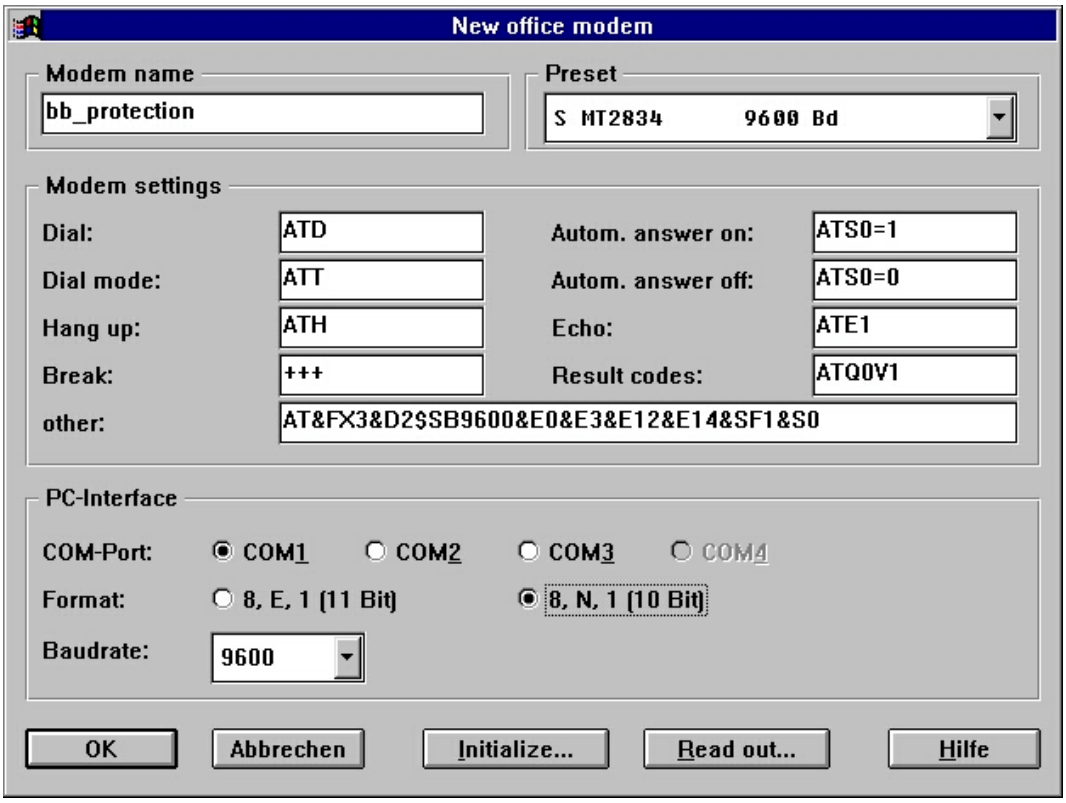
Create Office Modem MT2834 with DIGSI V3



- Choose a name as you like under „Input Modem name“
- Choose „Presettings“ „S MT2834 /9600 Bd“
- Change „Initialisation“
- **AT&FX3&D2$SB9600&E0&E3&E12&E14&SF1&S0**
  Description of the commands:
  AT AT-command follows
  &F load factory settings
  X3 Calling from private exchange
  &D2 asking for control signal DTR
  $SB9600 fixed Baud rate to the protection device
  &Exx error correction and data compression are switched off
  &SF1
  &S0
- Choose „COM-Port“
- set format at „8,N,1 (10 Bit)“
- choose „Baud rate“ 9600“
- The DIL-switch in **both modems** must be set as follows:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
UP		■		■		■				■				■	■	■
DOWN	■		■		■		■	■	■		■	■	■			

Side view of the modem MT2834xx

- Connect Office modem with a standard modem cable and switch on
- The Office modem will be initialised with each call.
- Ready!

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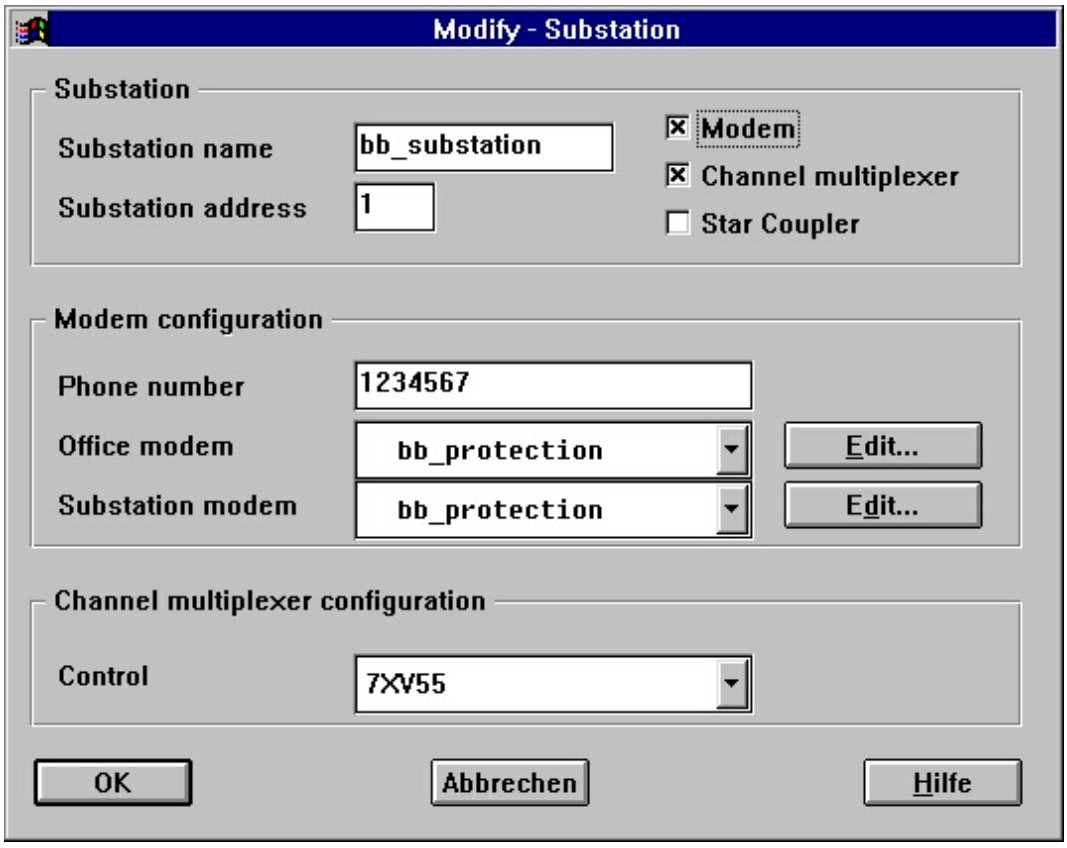
Create a Substation in DIGSI V3



- Input of a Substation name
- Input of a Substation address
- Mark „Modem“
- Mark „Channel multiplexer“
- Input of the Phone number
- Choose „Office modem“ from the list
- Choose „Substation modem“ from the list
- Finish with „OK“

Input of a new Feeder (name and address)

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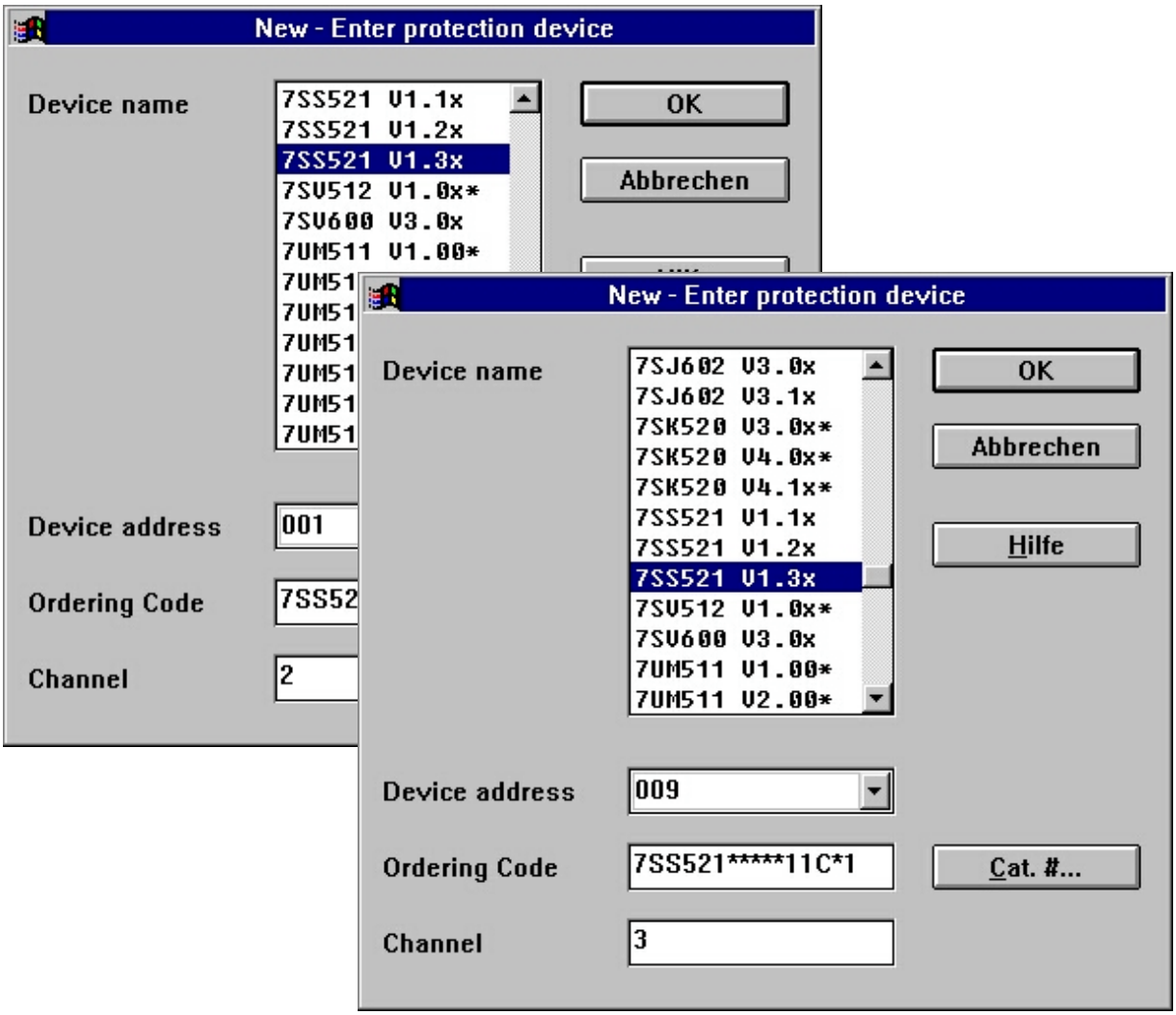

Apply new devices

- Choose the Device name
- Choose the free Device address
- Complete the Ordering code
- Choose the Channel for AMS

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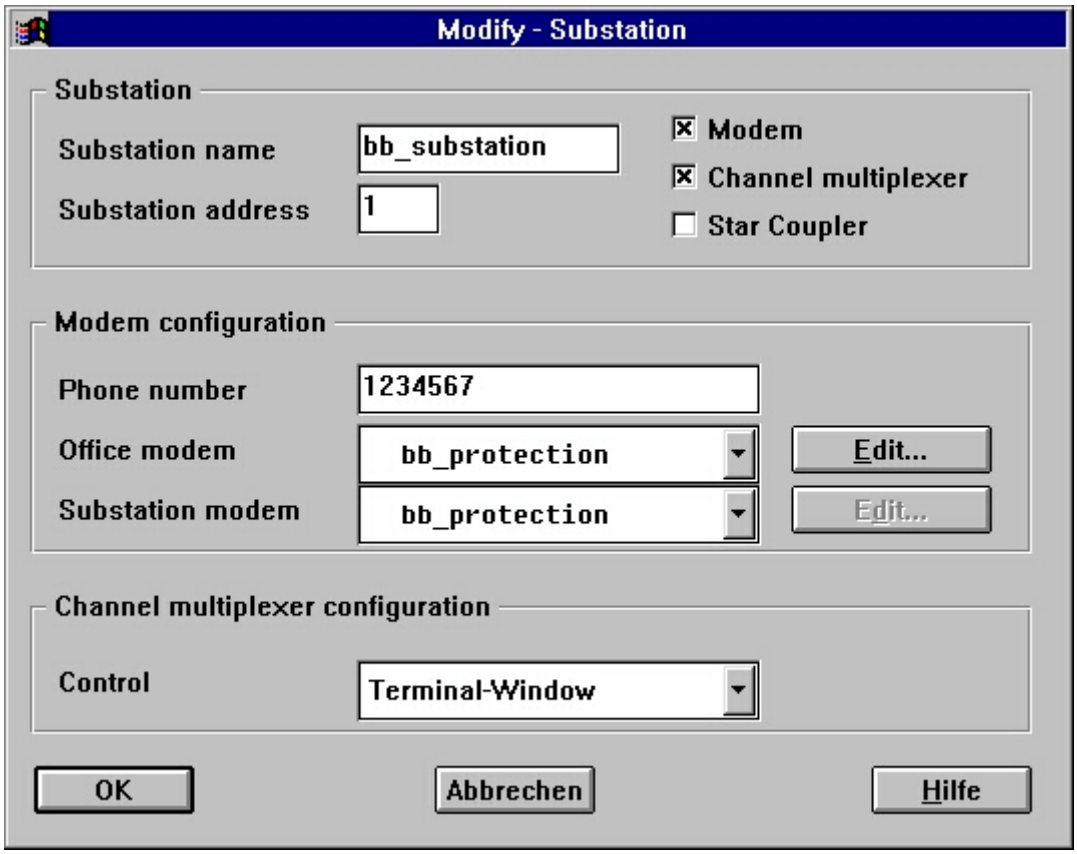
Create AMS 7XV5550 with DIGSI V3 in the Terminal-Window



Under „Substation change“ choose „Terminal-Window“

Open a dialog with any device via Channel multiplexer.
Finish with „OK“

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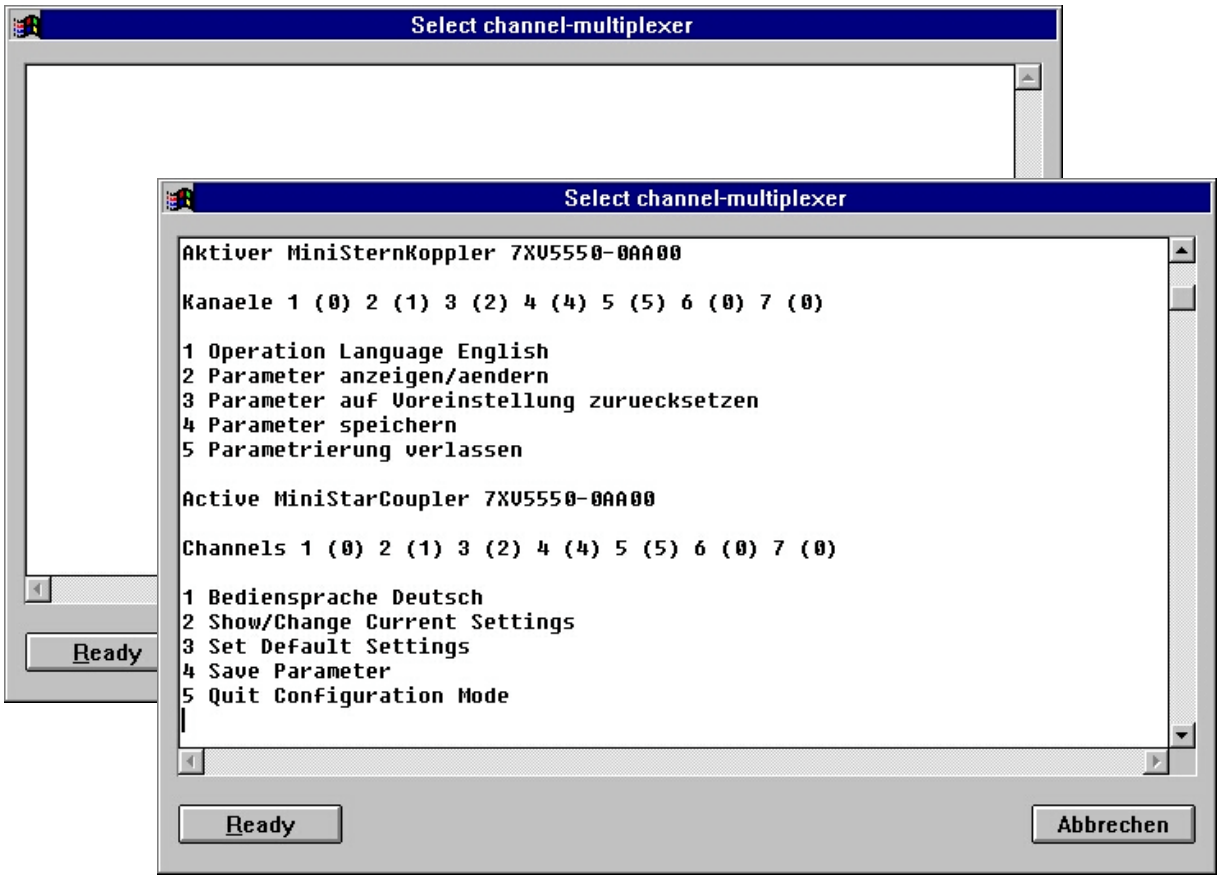
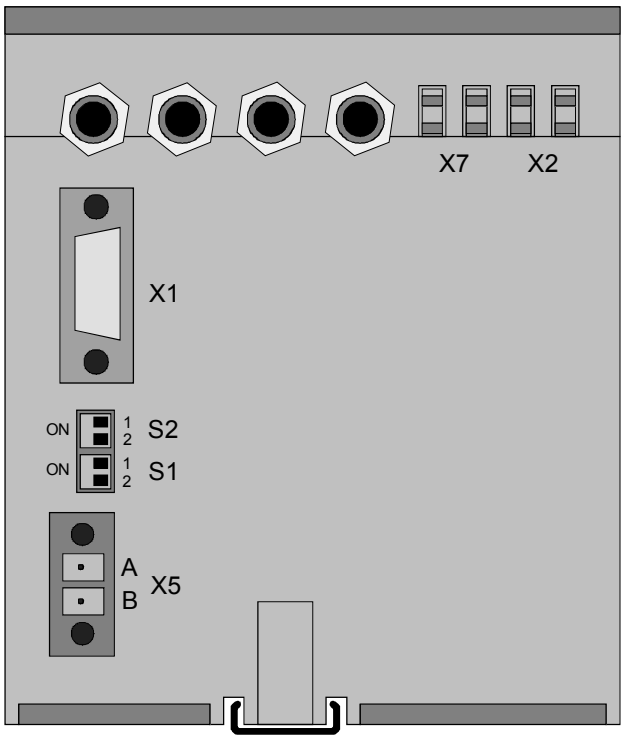


First of all there will be an empty window.
The conformance of the following steps is strongly recommended:

- Switch off AMS.
- Connect PC with DIGSI-cable 7XV5100-4 to RS232-interface of the AMS (X1).
- Switch the S2/1 (upper switch) in „ON“ position
- Switch on AMS.
  The connection will be with 9600 Baud and 8N1.
  Now there is a menu in the window.
- Input of „1“ will change the language.
- Input of „2“ will show the actually settings.



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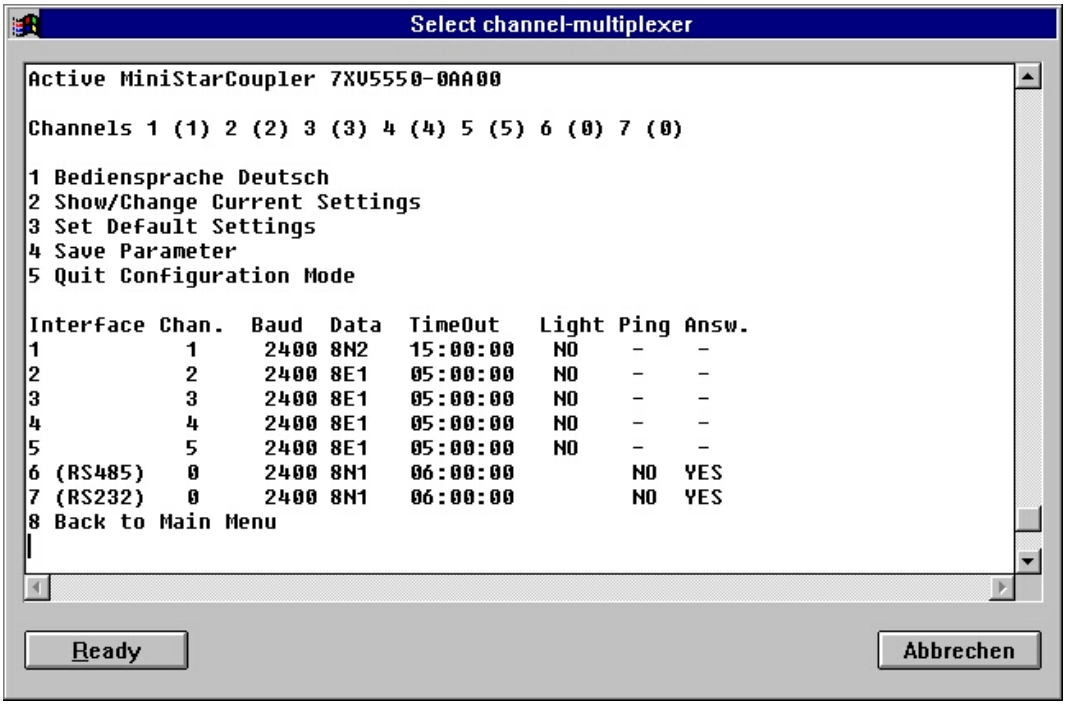

The picture above shows the recommended settings for the channels.
Interface 1 Settings for 7SS52 Central Unit
Interface 2-5 Settings for 7SS52 Bay Units
Interface 6 not connected
Interface 7 Settings for Modem / PC

How to set the AMS is described in the manual 7XV5550. Store the settings and finish the parameterisation.

Close the Terminal-window with two times „Cancel“ and ignore the error reports.

Important: After parameterisation it is necessary to switch off the S2/1 switch!

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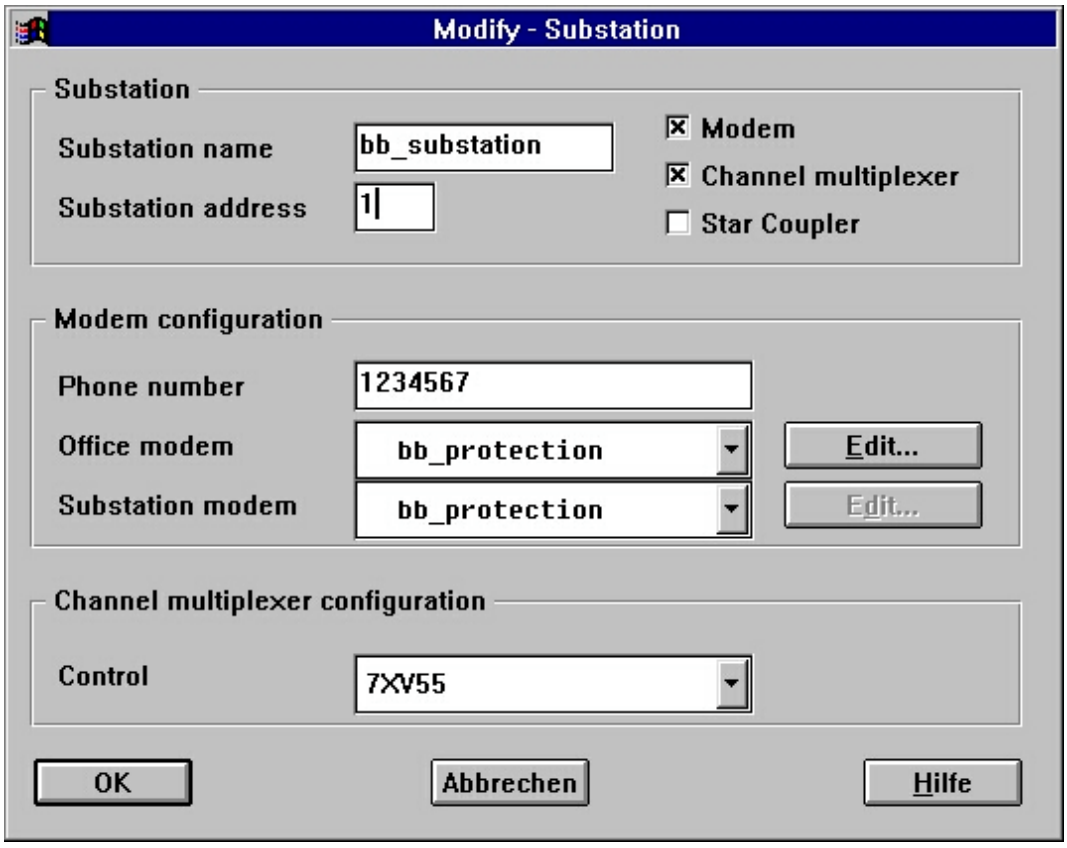
Establishing a connection to a Bay Unit



Under „Substation change“ Channel multiplexer control change into “7XV55”

Select the desired Bay Unit and for the dialog mode via modem and channel multiplexer.

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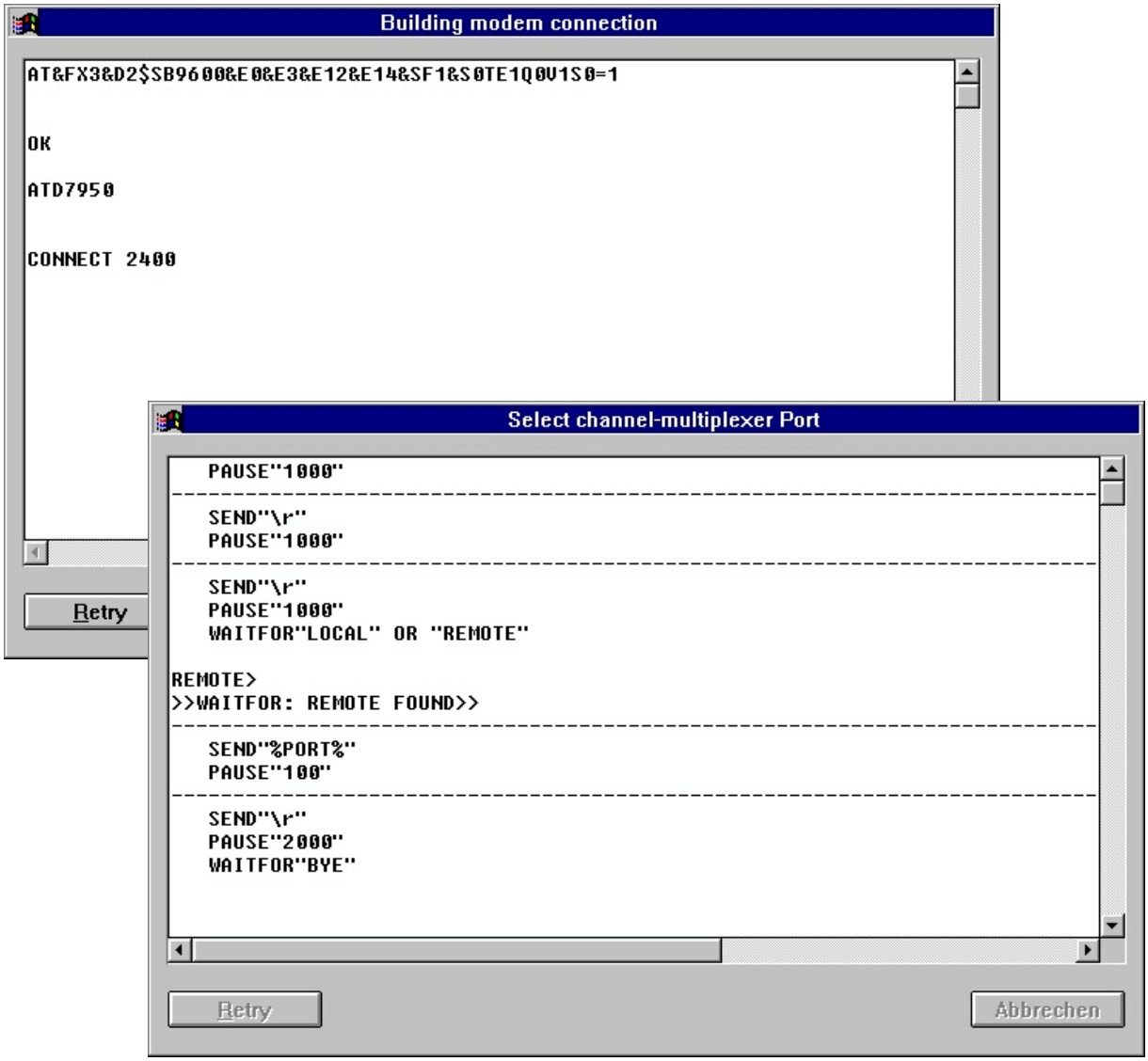

The connection will be established.

The channel of the AMS will be switched and the connection to the Bay Unit is automatically made.

Have fun!

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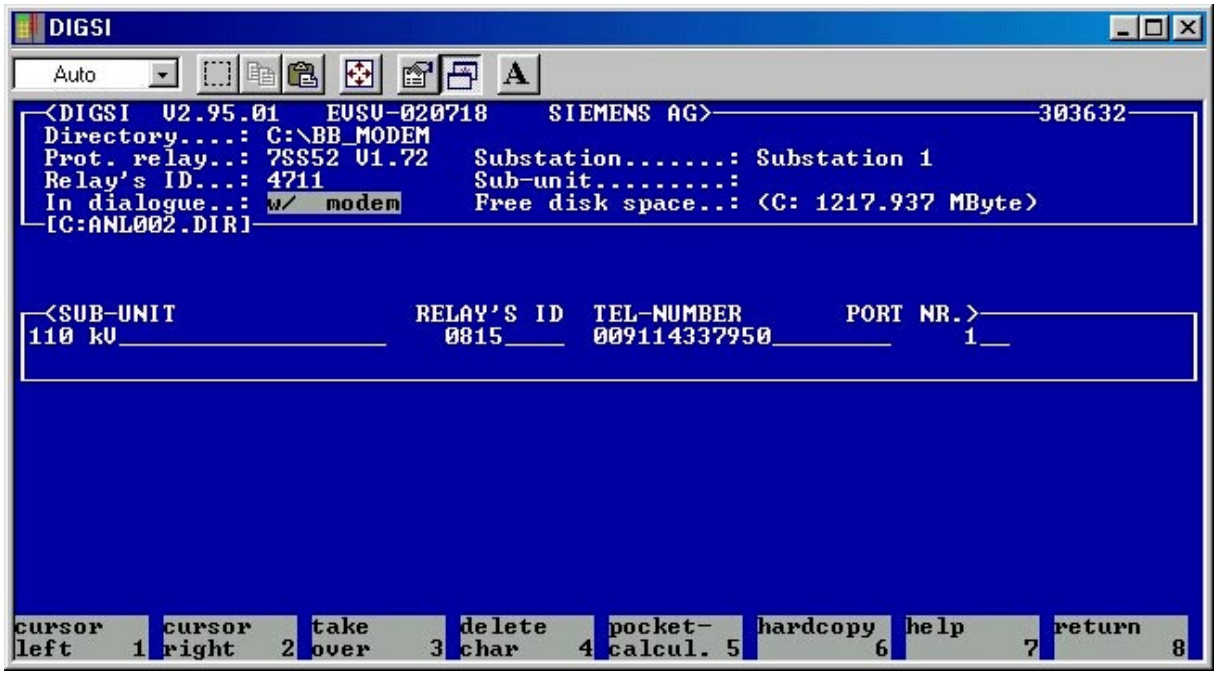
Settings in DIGSI V2.95 01 for
remote control via modem MT2834 (2400 Bd 8N1)
and Active Mini Starcoupler (AMS) 7XV5550



Input of Name, Relay's ID, Phone number and Port NR. of the AMS.

Choose „Peripheral Selection"

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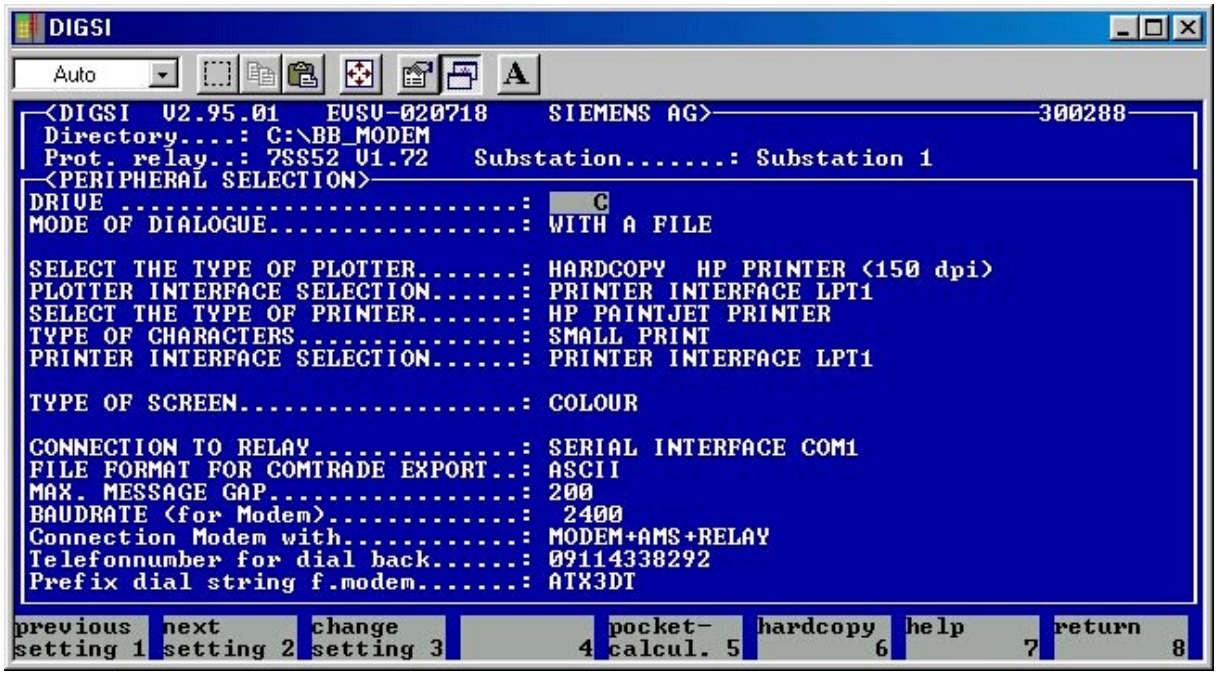

Set Max. Message Gap onto „200“
Select Baud rate „2400“
Connection via „Modem+AMS+Relay“
Accept the remaining presettings... (see picture above)

Select „Change Modem Configuration“

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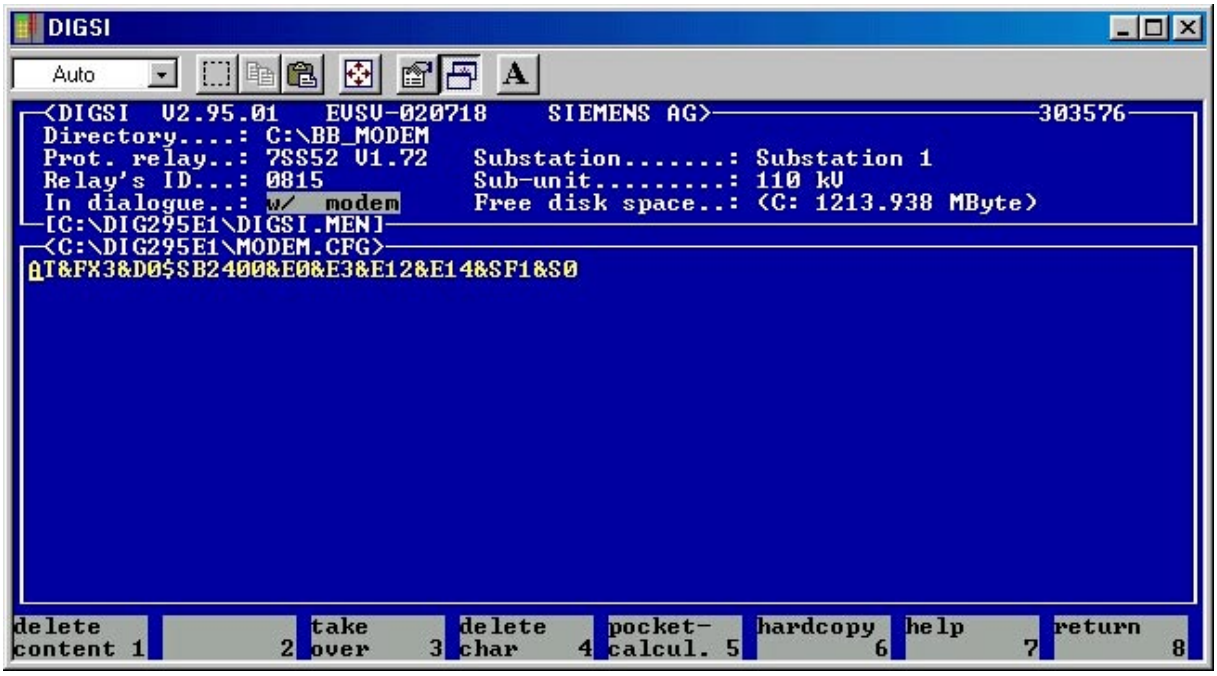

Input of the Modem Initialising strings (AT&FX3 .....)

AT&FX3&D0$SB2400&E0&E3&E12&E14&SF1&S0

Important !! save with „take over 3“

Select Mode of Dialog „with Modem“

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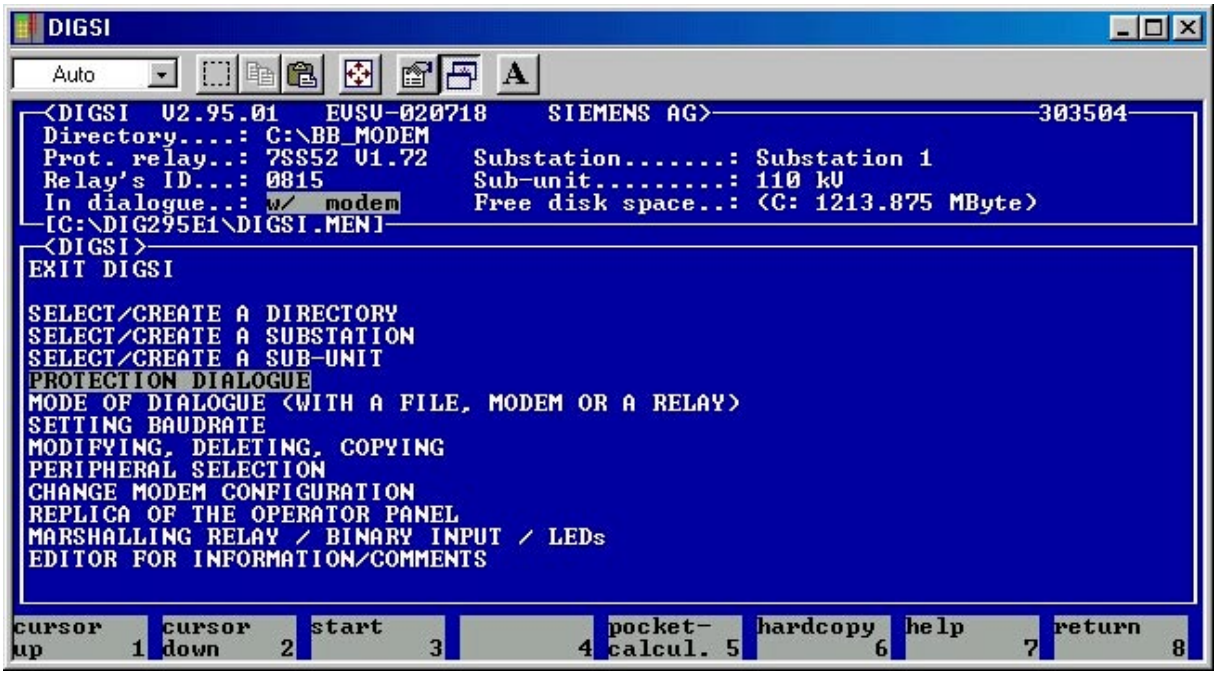
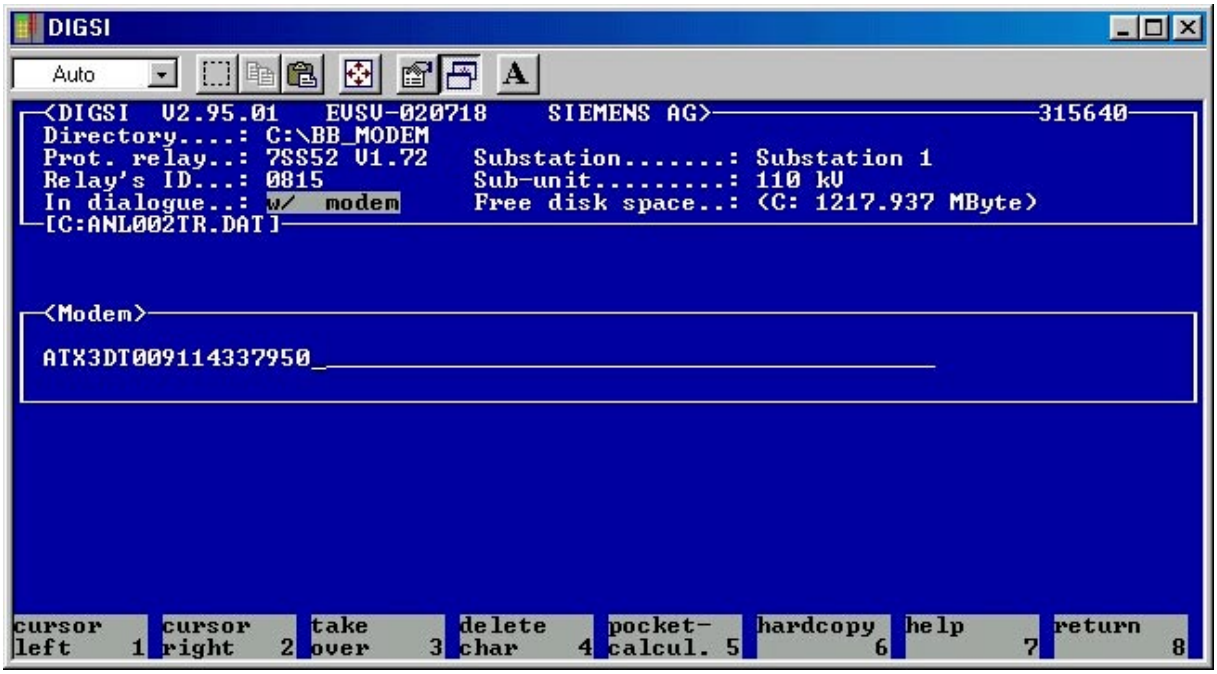


Start the Protection Dialogue



Confirm (or change) the phone number

ATX3DT< complete phone number >

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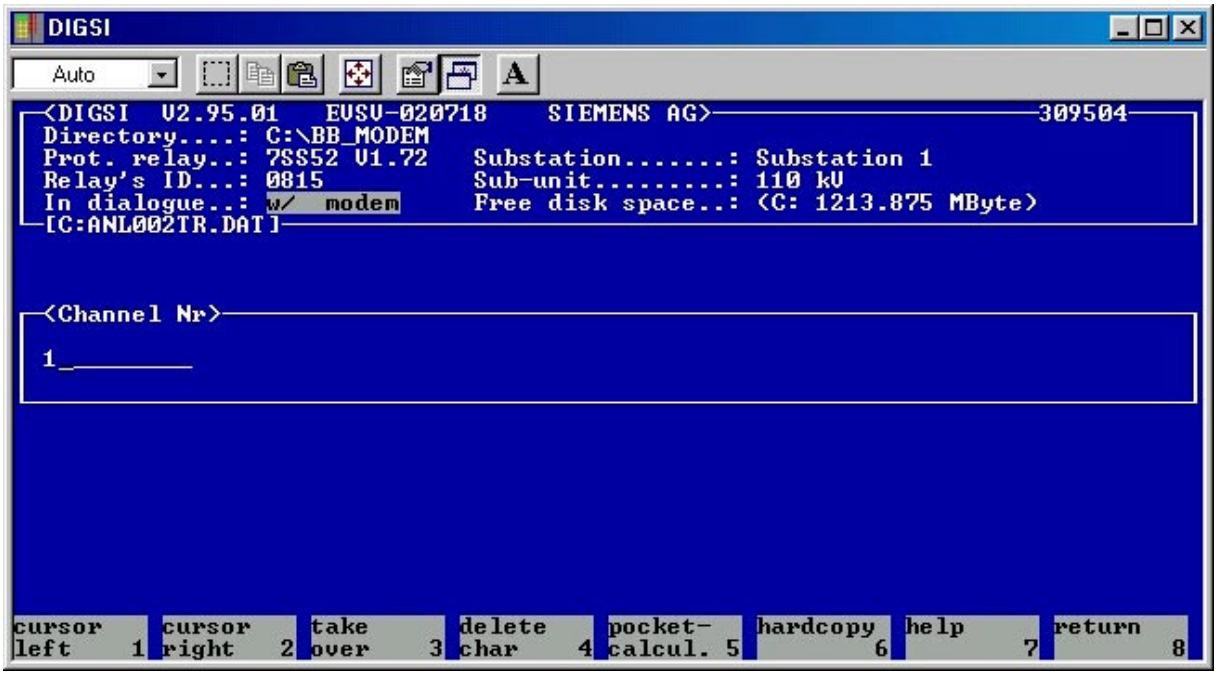
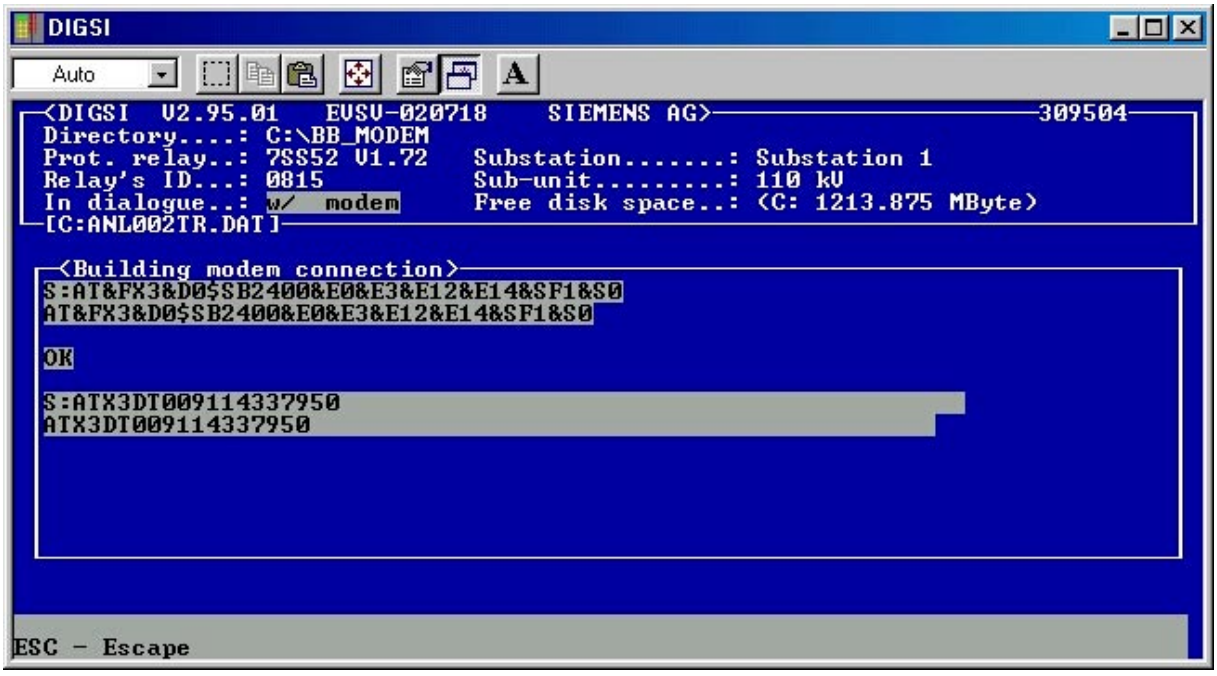


Confirm (or change) the Channel number of the AMS
In these application „**1**“.



The dialling procedure may be checked in a “Report” window.

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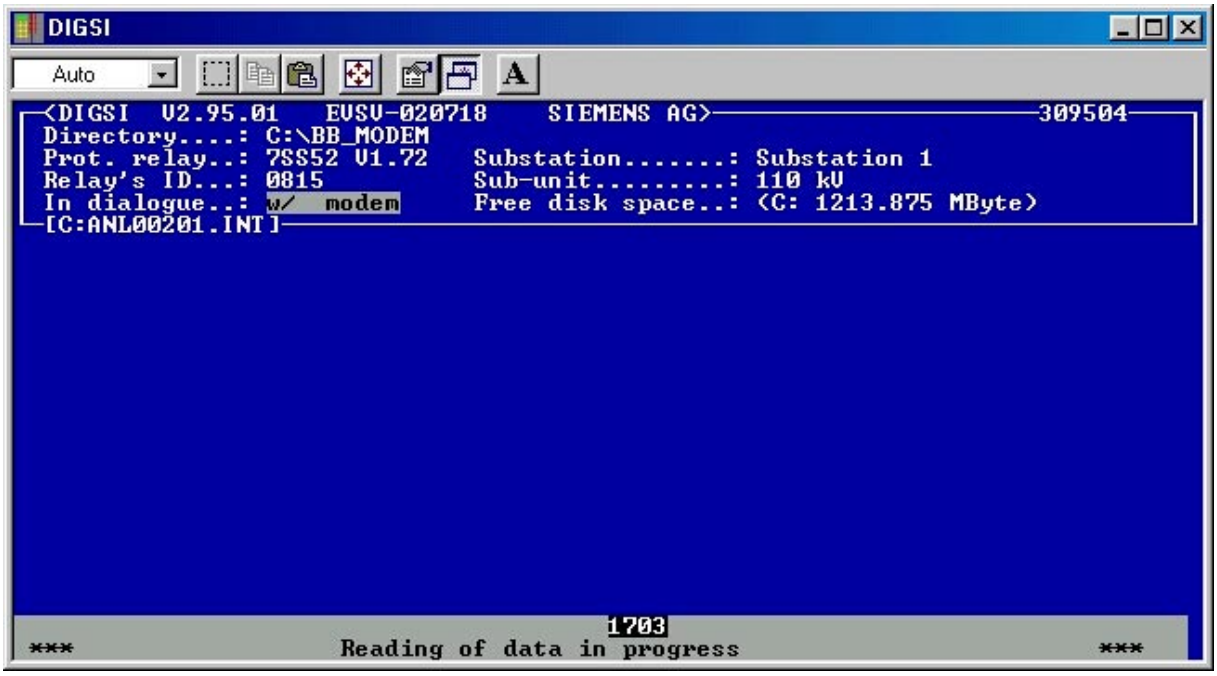
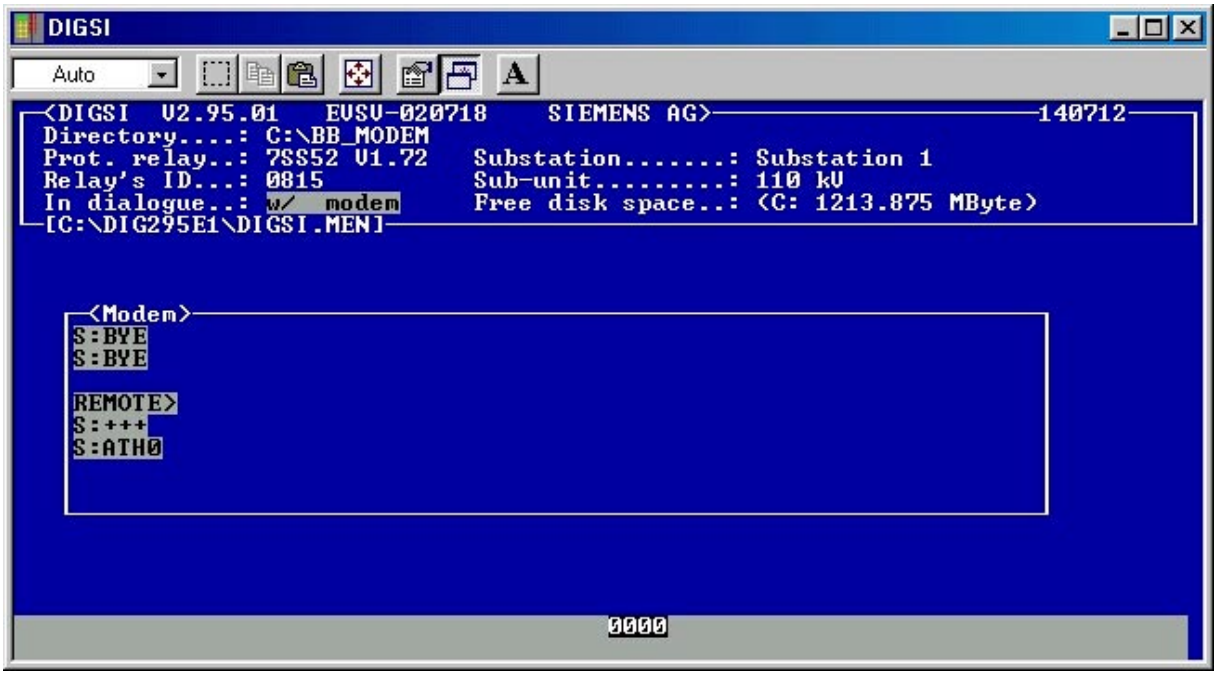


If the modem connection has been established, the connection to the device is automatically made.



Hang up procedure after remote control.

Have fun!

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