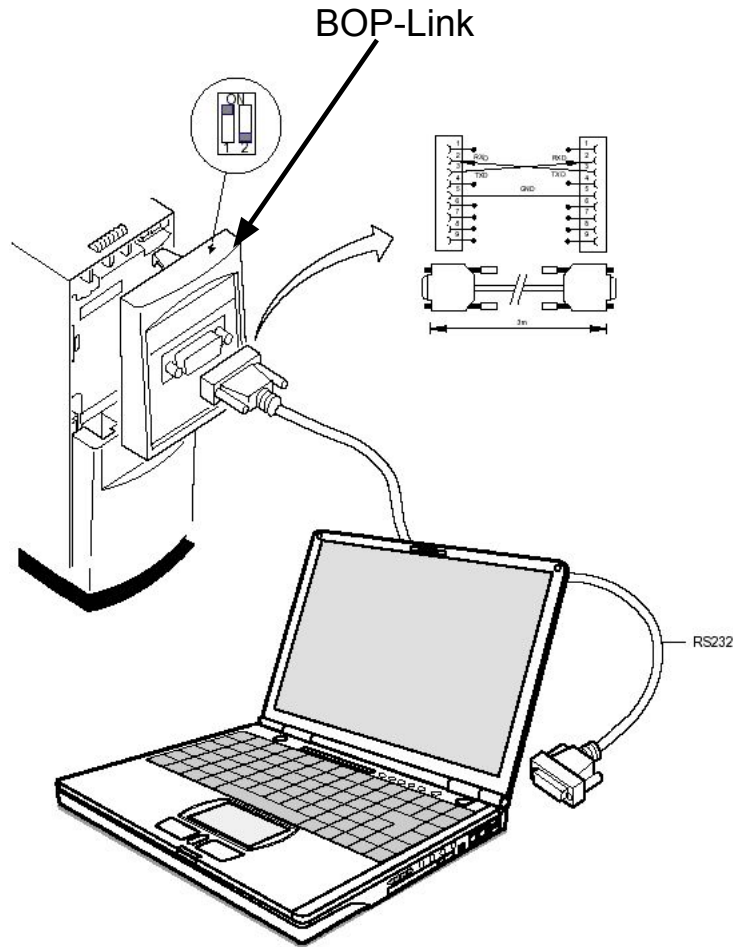


Point to point connection between PG/PC with STARTER and MICROMASTER 4 drives.



Please note:

- Check that the hardware is set up correctly. The connecting cable must be securely connected at both ends.
- The orange and green LEDs on the BOP-link should be lit permanently to indicate an error-free state
- The COM interface selected depends on the computer hardware (on a Field PG with I-Box the COM2 must be selected).
- The automatic detection of the baud rate will not always work if the baud rate has been changed from the factory settings.
- The use of the BOP or AOP is recommended to perform a quick and easy check on the parameter settings (communication) on the drive side.

# Hints if STARTER cannot establish an online connection with a MICROMASTER 4xx drive

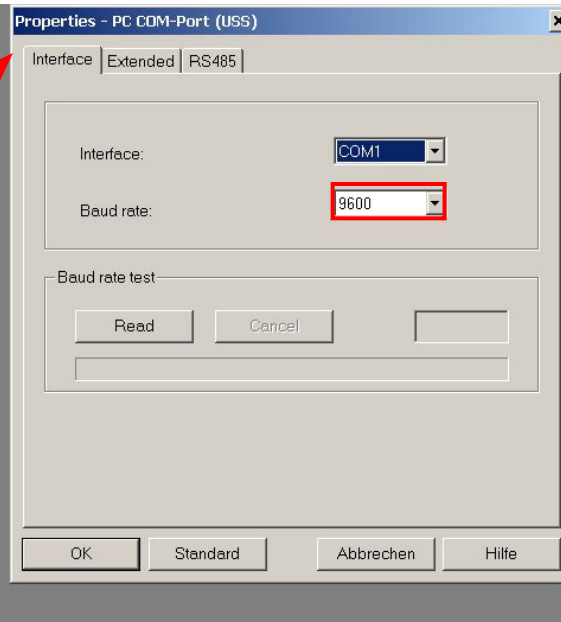
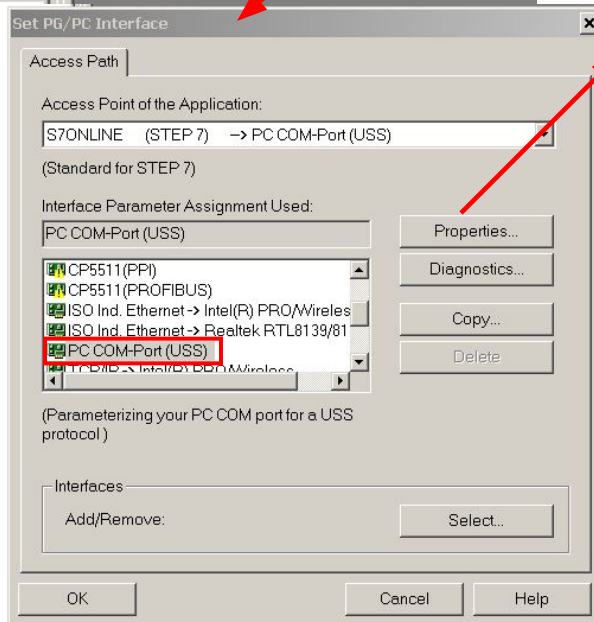
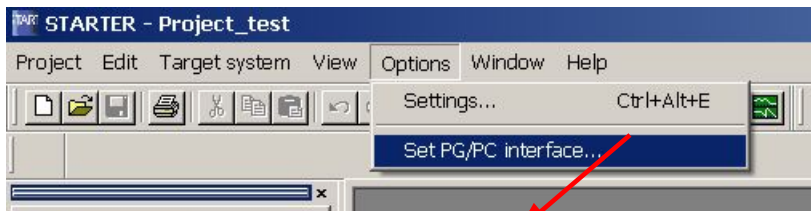
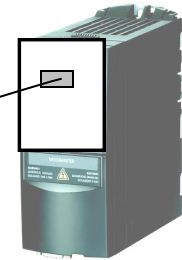
PC with STARTER



COM-Interface  
(RS232)

Connection kit for PC to  
inverter

Drive



Factory setting drive:  
Baud rate  
**P2010[1]=6 (9600)**

Other settings:  
P2010[1]=7 (19200)  
=8 (38400)  
=9 (57600)

=12 (115200)  
only 440, 430

## First possibility: Insert drive in project automatically

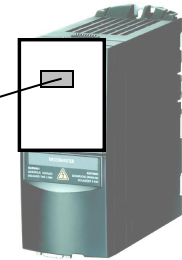
PC with STARTER



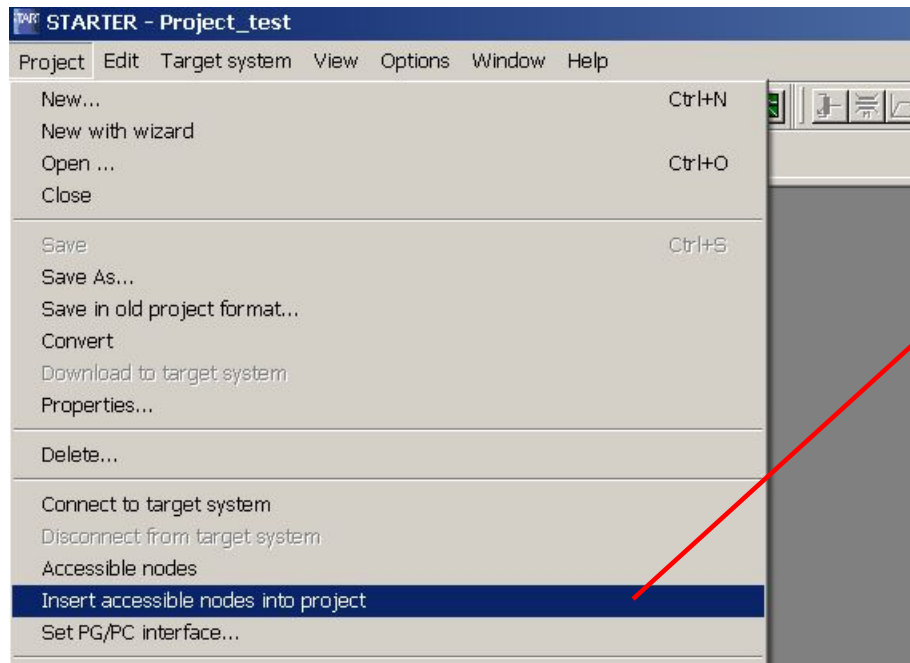
COM-Interface  
(RS232)

Connection kit for PC to  
inverter

Drive



Drive on mains



Result:

The connected drive will be inserted into the project with its data (drive address (P2011[1]) and type and version automatically.

A online-connection should be possible.

Second possibility: Insert drive into project manually and then make an online connection

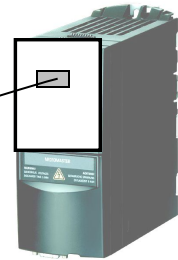
PC with STARTER



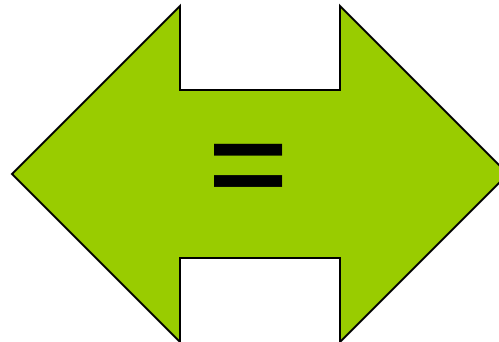
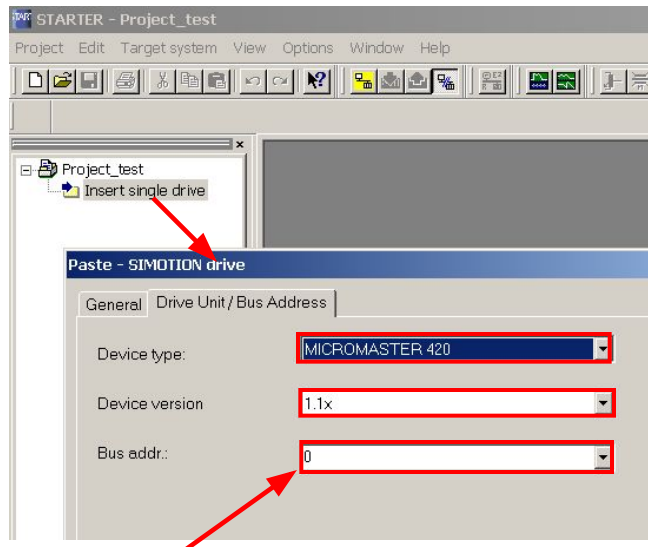
COM-Interface  
(RS232)

Connection kit for PC to  
inverter

Drive



Drive on mains



e.g.:  
**MICROMASTER 420**

**V1.1x (r0018)**

**Drive address = 0  
(P2011[1])**

Address can be selected or entered here.  
(also the same addresses in one project  
are possible).

## Second possibility to get the drive address via STARTER

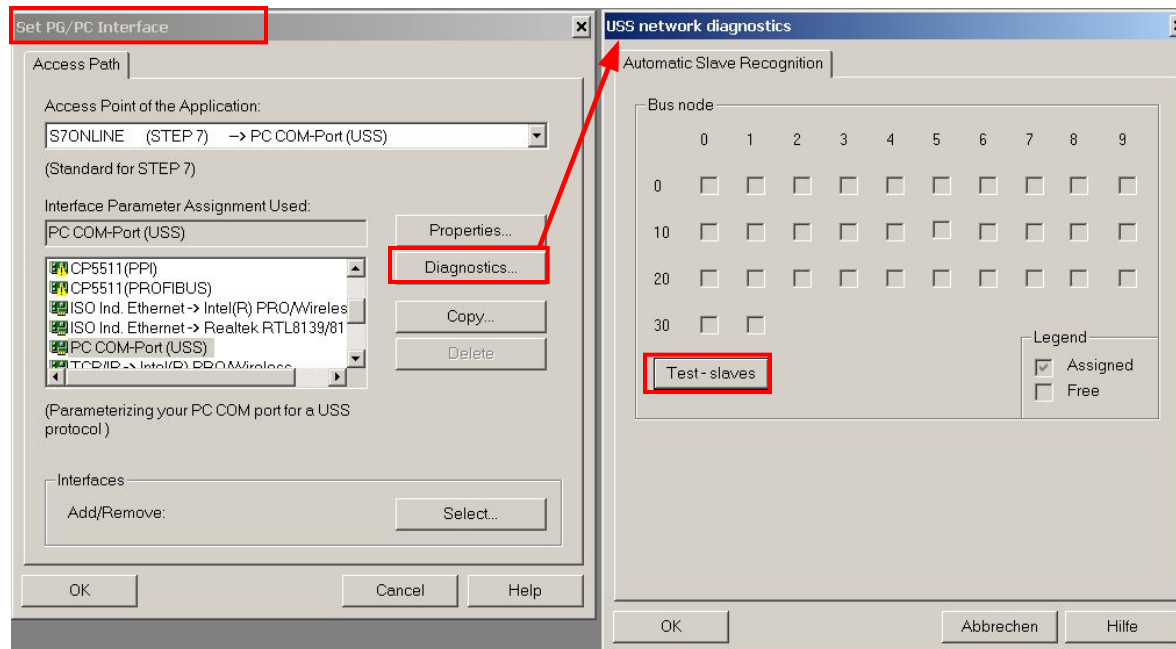
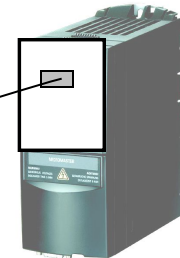
PC with STARTER



Connection kit for PC to inverter

COM-Interface  
(RS232)

Drive



Second possibility (error case 1):

If address is different, you can get a solution as follow:

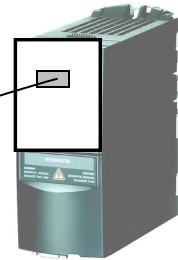
PC with STARTER



COM-Interface  
(RS232)

Connection kit for PC to  
inverter

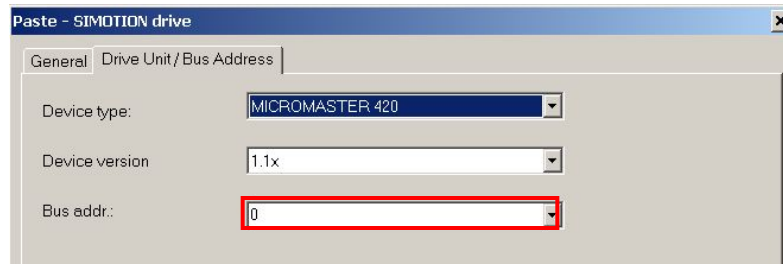
Drive



e.g.:  
**MICROMASTER 420**

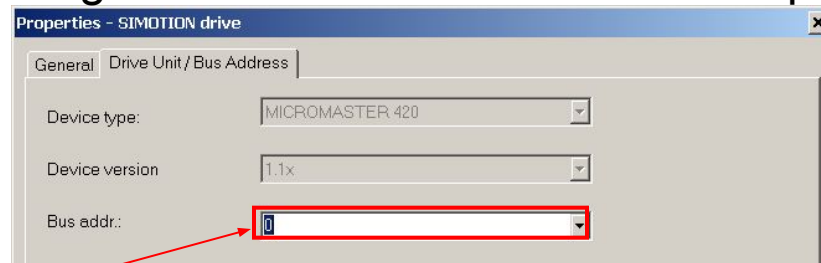
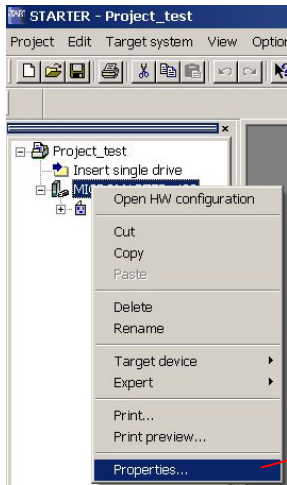
**V1.1x (r0018)**

**Drive address = 3**  
**(P2011[1])**



Delete drive from project and insert new drive or

Change address of drive in STARTER-project



Second possibility (error case 2):

If drive version is different, you can get a solution as follow:

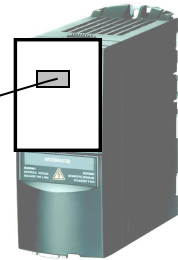
PC with STARTER



COM-Interface  
(RS232)

Connection kit for PC to  
inverter

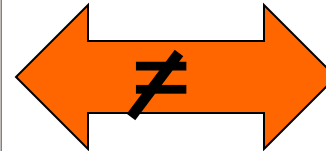
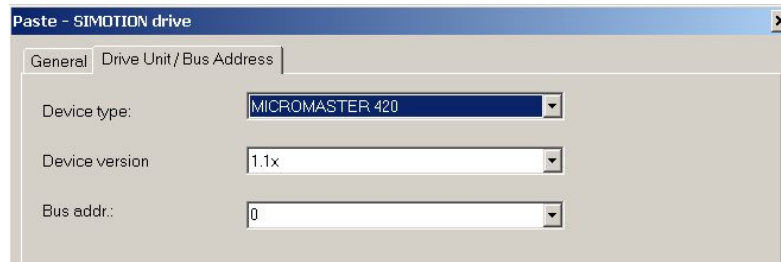
Drive



e.g.:  
**MICROMASTER 420**

**V1.0x (r0018)**

**Drive address=0  
(P2011[1])**



Delete drive from project and insert new drive or

Change drive version in STARTER project

