TECHNICAL INSTRUCTION

Parameterization & change of direction of rotation (smart motor)

Description

The technical instruction describes the step-by step process for parameterizing and changing the direction of rotation of the smart motors.

Step 1

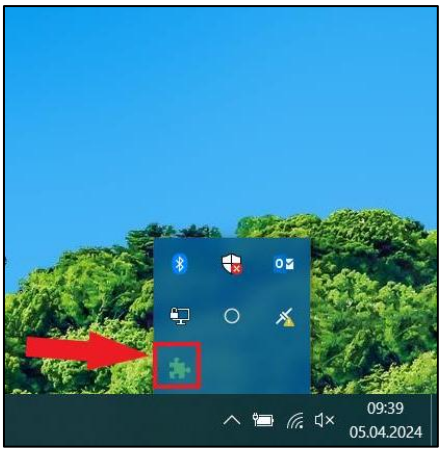
Establish connection

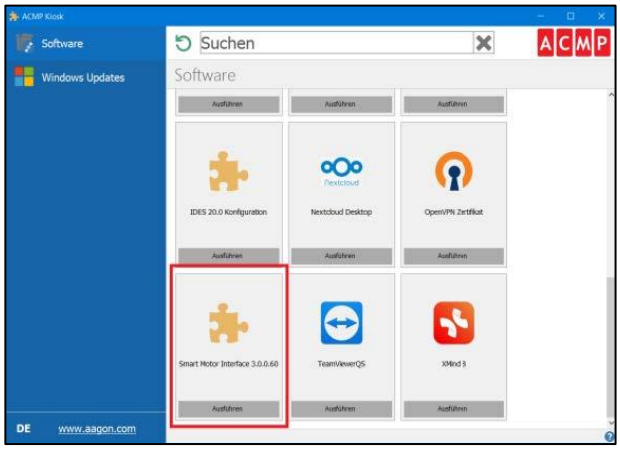
On motor side	Wire	Interface box RS232
Red	1	(B) GND
Violet	2	TxD
Black	3	RxD

Step 2

Download of the software

Open the AMCP Kiosk and download the programm „Smart Motor Interface“



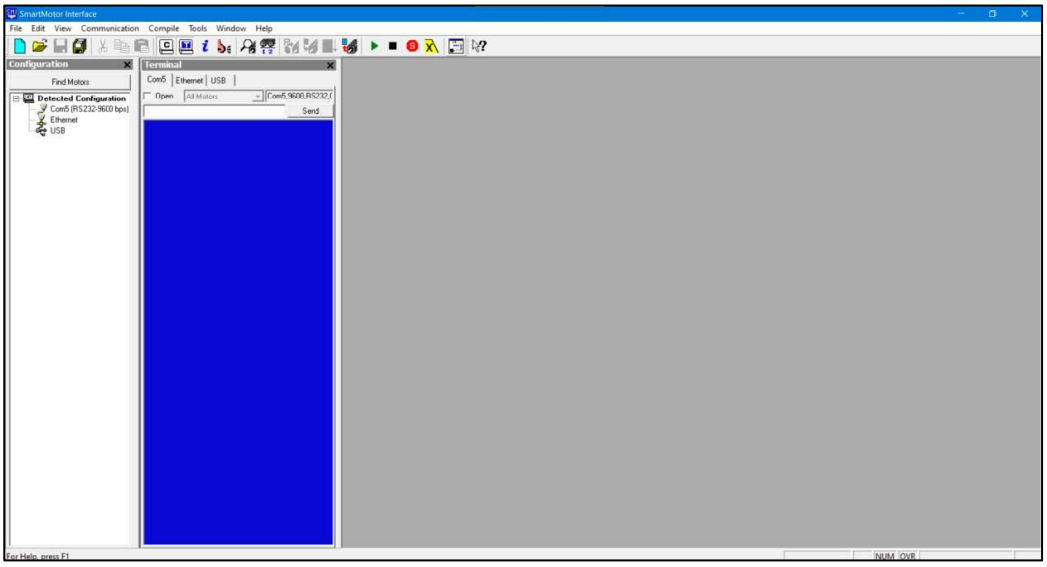


→ After installation, open the program **"SmartMotor Interface"**

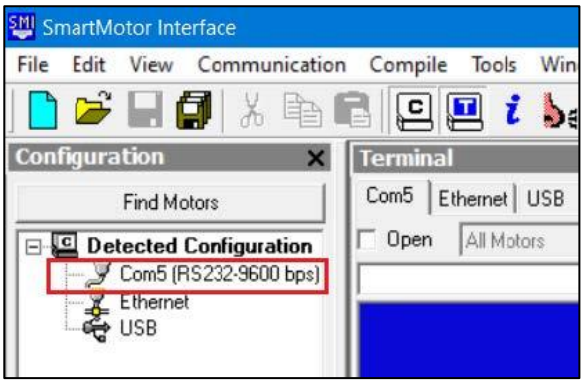
Step 3

Using the programm

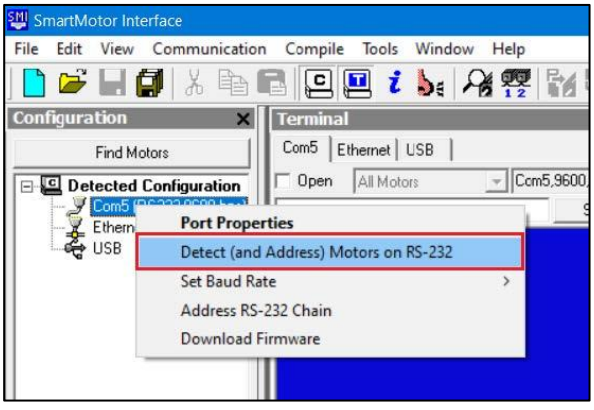
3.1 Overview of the programm after the start



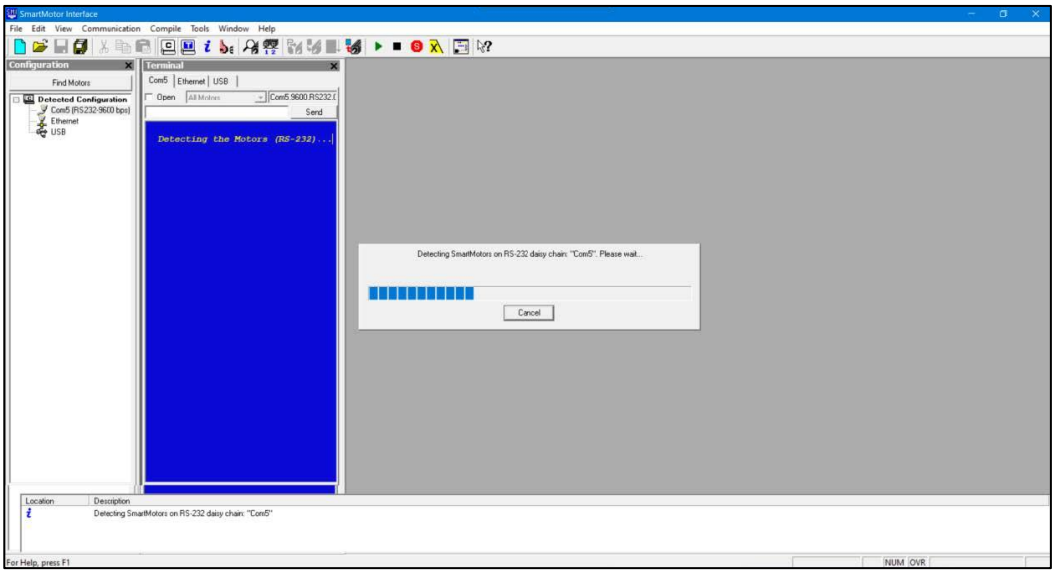
3.2 IMPORTANT: the COM-Port has to be configurated. It will then be visible in the list on the left.

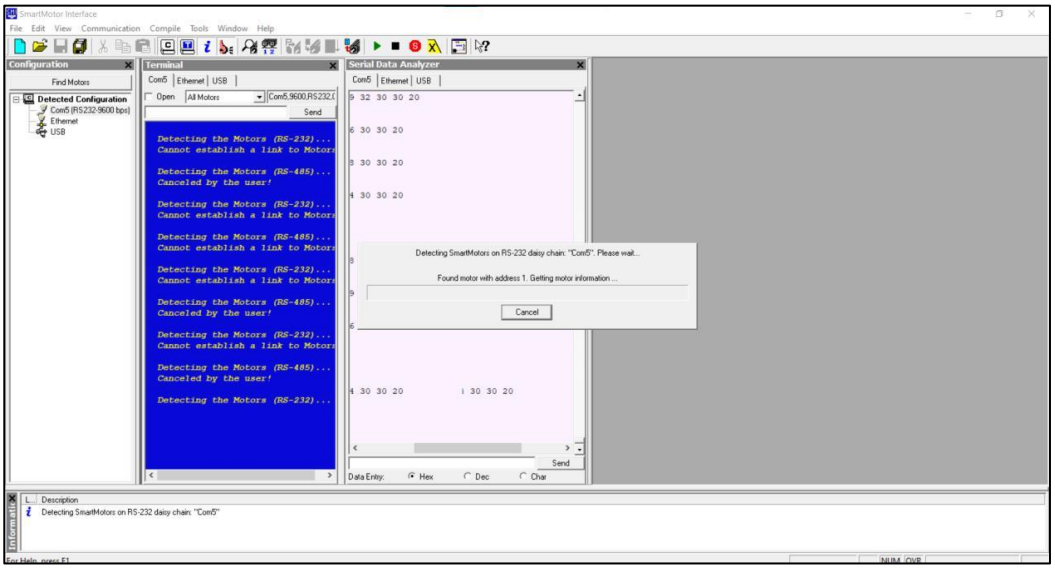


3.3 Right mouse button and click on "Detect (and Address) Motors on RS-232"



3.4 Motors are being searched

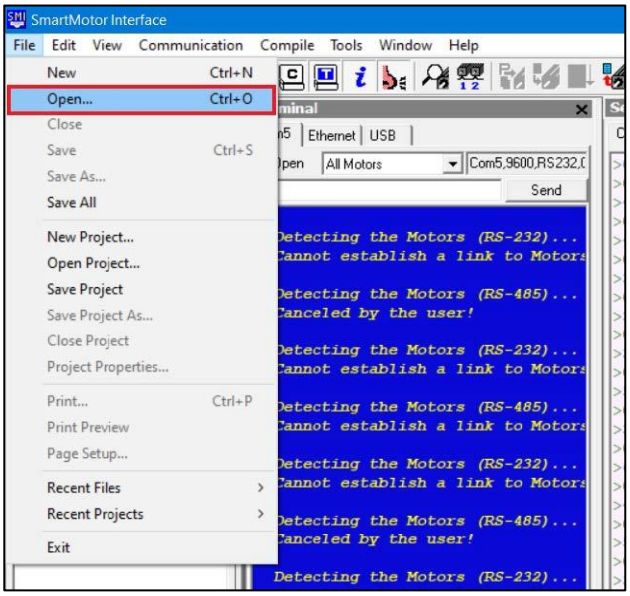

SmartMotor Interface
File Edit View Communication Compile Tools Window Help
Configuration
Find Motors
Detected Configuration
Com5 (RS232:9600 bps)
Ethernet
USB
Terminal
Com5 Ethernet USB
Open
Send
Detecting the Motors (RS-232)...
Detecting SmartMotors on RS-232 daisy chain: "Com5". Please wait...
Cancel
Location
Description
Detecting SmartMotors on RS-232 daisy chain: "Com5"
For Help, press F1
NUM OVR

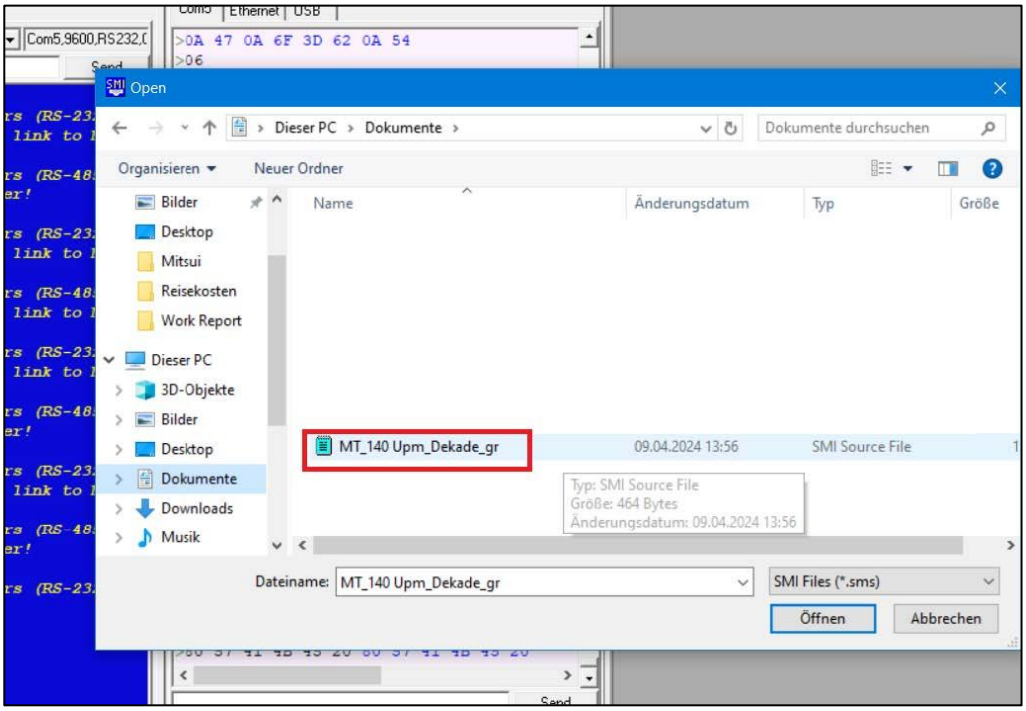

SmartMotor Interface
File Edit View Communication Compile Tools Window Help
Configuration
Find Motors
Detected Configuration
Com5 (RS232:9600 bps)
Ethernet
USB
Terminal
Com5 Ethernet USB
Open
All Motors
Send
Detecting the Motors (RS-232)...
Cannot establish a link to Motors
Detecting the Motors (RS-485)...
Canceled by the user!
Serial Data Analyzer
Com5 Ethernet USB
Detecting SmartMotors on RS-232 daisy chain: "Com5". Please wait...
Found motor with address 1. Getting motor information ...
Cancel
Data Entry:
Hex
Dec
Char
Send
Information
Description
Detecting SmartMotors on RS-232 daisy chain: "Com5"
NUM OVR

Step 4

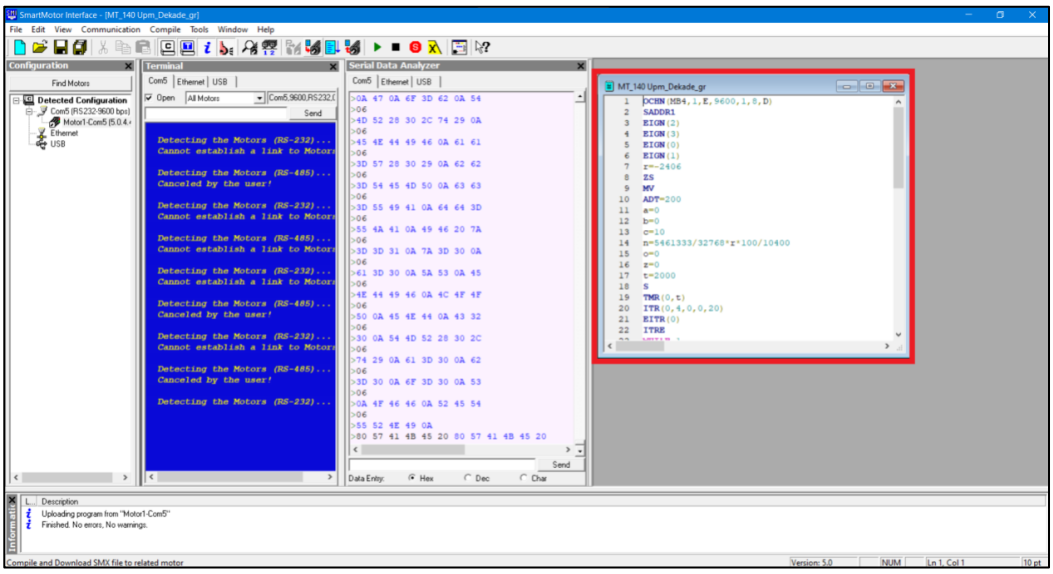
4.1 Parameter set from PC to controller

4.1.1 Open the parameter set via "File - open..." and load it into the program



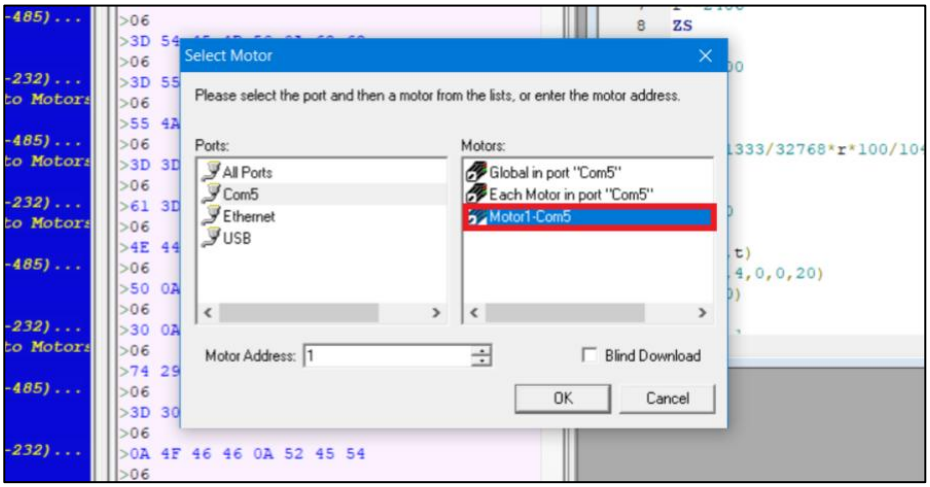


4.1.2 The window with the corresponding programming appears in the right-hand part of the program.

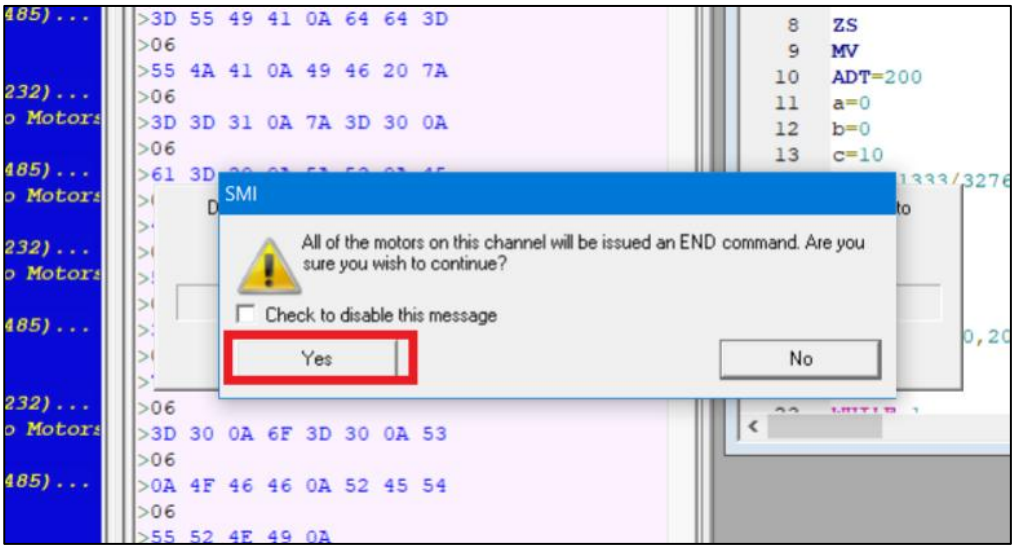


4.1.3 Then use the "Compile and Download Program (F5)" button to download the parameter set to the motor.

4.1.4 The "Select Motor" window opens, select the relevant motor and press "OK".



4.1.5. The following message appears



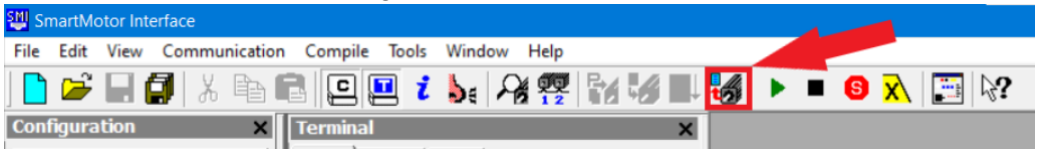
Press **„Yes“** to start the download to the motor

IMPORTANT: After the transfer, the motor must be de-energized once. Then apply voltage again and the new parameter set is ready for use.

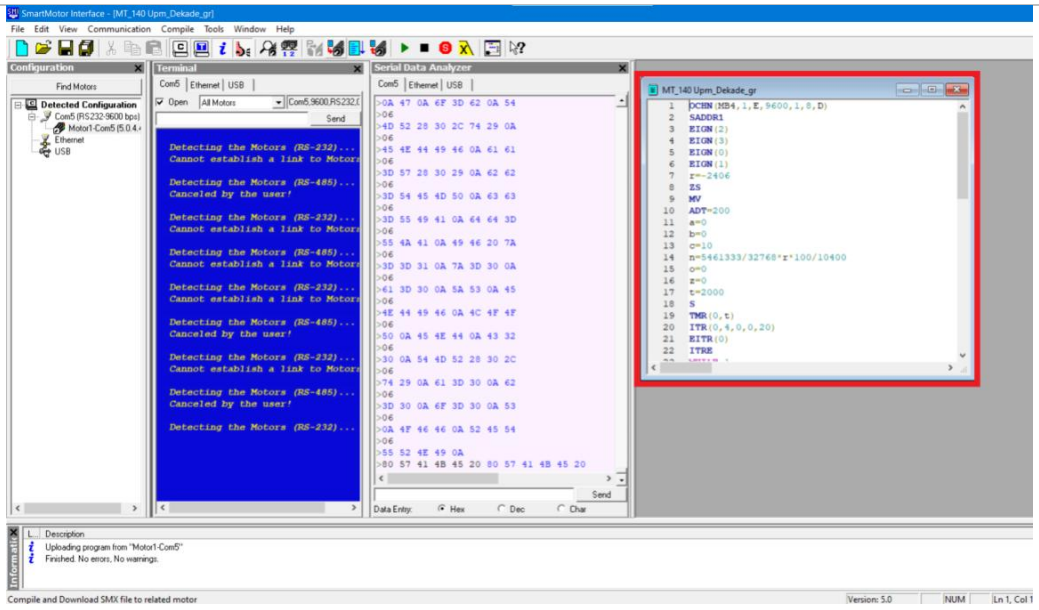
4.2 Changing the parameter set / direction of rotation

If the motor rotates in the wrong direction, this can be done by changing the parameter set.
Proceed in the same way up to and including point "3.4".

Then use the "Upload program" button to load the current parameter set of the connected motor into the program.



The window with the parameter set of the connected motor then appears.



Here the minus must be removed or added in the line "r="

Example: r=-2406 or r=2406

This changes the direction of rotation.

After changing the line, the program is reloaded onto the motor (see point 4.1.3. and following). Disconnect the motor from the power supply after the update, then apply voltage again and the direction of rotation is changed.