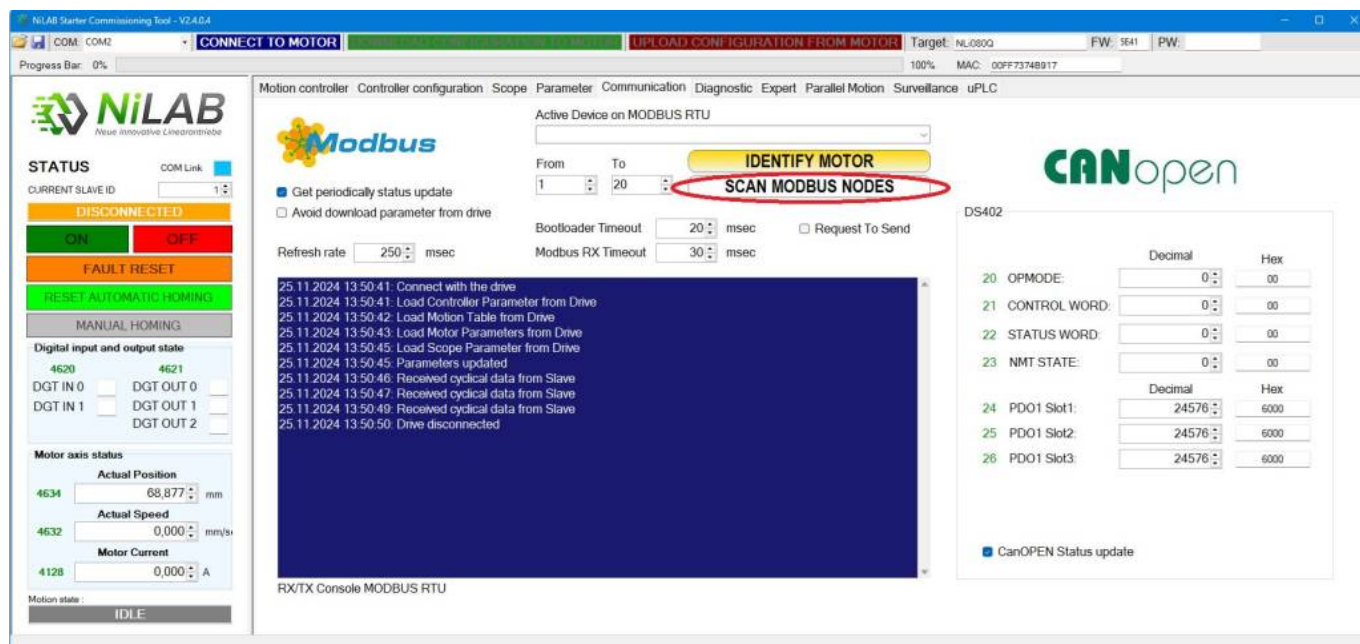
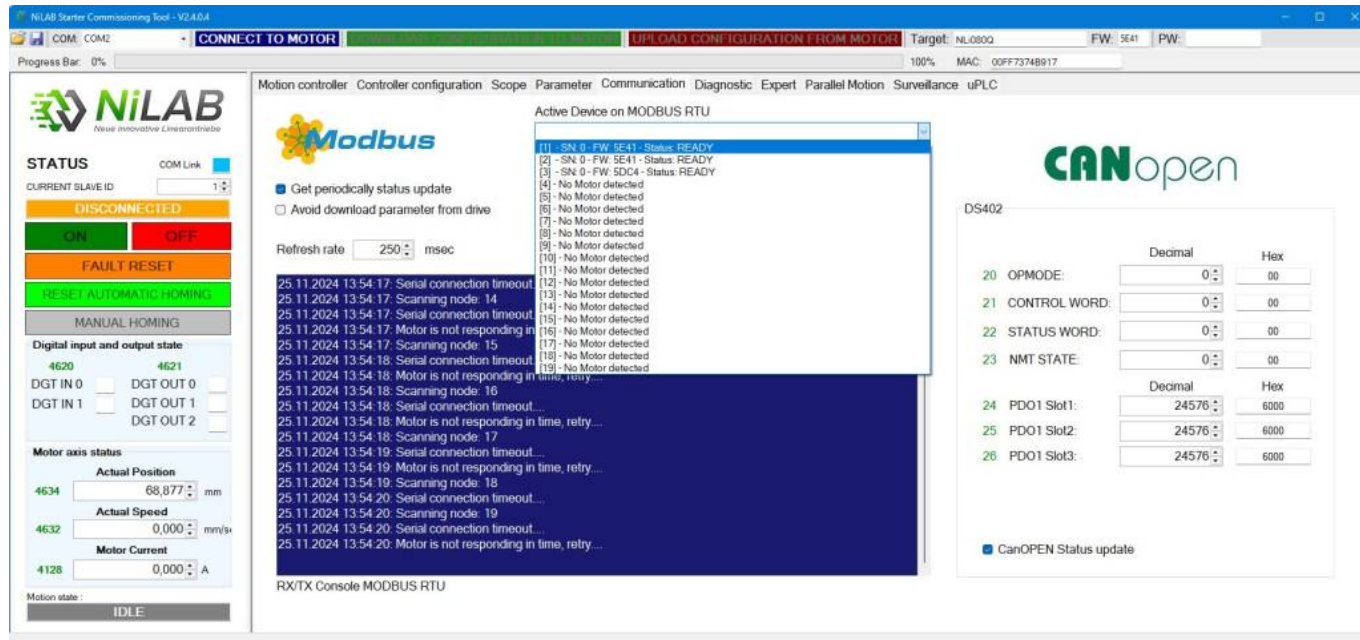


Motor identification on modbus

In order to identify the motor on the Modbus communication bus, please start the scan procedure press the button Scan Modbus nodes.



Please, select one of the motor in the active device list. For example n.1



Press No on the window to avoid the connection of the interface to the selected node id.

update
meter from drive

1 20 **SCAN MODBUS NODES**

Bootloader Timeout 20 msec ☐ Request To Send
Modbus RX Timeout 30 msec

DS402

20 OPMOD
21 CONTR
22 STATUS
23 NMT ST
24 PDO1 S
25 PDO1 S
26 PDO1 S

serial connection timeout...
Scanning node: 14
serial connection timeout...
Motor is not responding in time, retry...
Scanning node: 15
serial connection timeout...
Motor is not responding in time, retry...
Scanning node: 16
serial connection timeout...
Motor is not responding in time, retry...
Scanning node: 17
serial connection timeout...
Motor is not responding in time, retry...
Scanning node: 18

Message

The Starter will be connected to the new slave id node selected, press Yes to confirm or No for cancel

Ja Nein

Please press the button IDENTIFY MOTOR to start the identification process.

NI-LAB Starter Commissioning Tool - V2.0.0.4

COM1 COM2 **CONNECT TO MOTOR** **UPLOAD CONFIGURATION FROM MOTOR** Target: NL0800 FW: 5E41 PW: 100% MAC: 00FF7374B917

Motion controller Controller configuration Scope Parameter Communication Diagnostic Expert Parallel Motion Surveillance uPLC

Active Device on MODBUS RTU
[1] - SN: 0 - FW: 5E41 - Status: READY

From 1 To 20 **IDENTIFY MOTOR** **SCAN MODBUS NODES**

☐ Get periodically status update
☐ Avoid download parameter from drive

Refresh rate 250 msec Bootloader Timeout 20 msec ☐ Request To Send
Modbus RX Timeout 30 msec

STATUS
CURRENT SLAVE ID 1
DISCONNECTED
ON **OFF**
FAULT RESET
RESET AUTOMATIC HOMING
MANUAL HOMING

Digital input and output state
4620 DGT IN 0 4621 DGT OUT 0
DGT IN 1 DGT OUT 1
DGT OUT 2

Motor axis status
Actual Position 4634 68,877 mm
Actual Speed 4632 0,000 mm/s
Motor Current 4128 0,000 A
Motion state: IDLE

25.11.2024 13:54:17: Serial connection timeout...
25.11.2024 13:54:17: Scanning node: 14
25.11.2024 13:54:17: Serial connection timeout...
25.11.2024 13:54:17: Motor is not responding in time, retry...
25.11.2024 13:54:17: Scanning node: 15
25.11.2024 13:54:18: Serial connection timeout...
25.11.2024 13:54:18: Motor is not responding in time, retry...
25.11.2024 13:54:18: Scanning node: 16
25.11.2024 13:54:18: Serial connection timeout...
25.11.2024 13:54:18: Motor is not responding in time, retry...
25.11.2024 13:54:18: Scanning node: 17
25.11.2024 13:54:19: Serial connection timeout...
25.11.2024 13:54:19: Motor is not responding in time, retry...
25.11.2024 13:54:19: Scanning node: 18
25.11.2024 13:54:20: Serial connection timeout...
25.11.2024 13:54:20: Scanning node: 19
25.11.2024 13:54:20: Serial connection timeout...
25.11.2024 13:54:20: Motor is not responding in time, retry...

RX/TX Console MODBUS RTU

CANopen

DS402

	Decimal	Hex
20 OPMODE:	0	00
21 CONTROL WORD:	0	00
22 STATUS WORD:	0	00
23 NMT STATE:	0	00
24 PDO1 Slot1:	24576	6000
25 PDO1 Slot2:	24576	6000
26 PDO1 Slot3:	24576	6000

☒ CanOPEN Status update

The red and green LED on the motor, indicating its identification, blinked alternately for 3 seconds. This happened at every identification request.

From:
<https://dokuwiki.nilab.at/> - NiLAB GmbH
Knowledgebase

Permanent link:
https://dokuwiki.nilab.at/doku.php?id=en:integrated_drive_motors:identification

Last update: 2026/09/11 07:56

