

NILAB Starter

This page describes how to use **NILAB Starter** with the gateway. The tool is used to check the status and to read and write a configuration without an EtherCAT connection.

In order to check the status and to read and write a configuration without an EtherCAT connection, it is possible to use the NILAB Starter commissioning tool.

With this tool you can write the control word, you can read the status word, the PDO, PDI mapping, and the CANopen baud rate.

This software can be downloaded here: https://www.nilab.at/dokuwiki/doku.php?id=nilab_starter:start

NILAB Starter Commissioning Tool - V2.4.0.0

COM: COM9 | DISCONNECT FROM MOTOR | DOWNLOAD CONFIGURATION TO MOTOR | UPLOAD CONFIGURATION FROM MOTOR | Target: GTW-ETH | FW: 5880 | P

Progress Bar: 0% | 100% | MAC: E0B036F6B1A

STATUS | COM Link: ☐ | CURRENT SLAVE ID: 128

RUNNING

FAULT RESET

Digital input and output state

4620	DGT IN 0	4621	DGT OUT 0
4632	DGT IN 1	4622	DGT OUT 1
4128	DGT OUT 2		

Motor axis status

Actual Position: 4634 | 0,000 mm

Actual Speed: 4632 | 0,000 m/s

Motor Current: 4128 | 0,000 A

Motion state:

EtherCAT BUS CONVERTER

0	Number of slaves	2	7	PD01 address	24676	15	PD11 address	24769
1	Sync time Can	2	8	PD01 length	32	16	PD11 length	32
2	Sync time Can PD0s	25	9	PD02 address	24641	17	PD12 address	24640
3	Sync time modbus	100	10	PD02 length	16	18	PD12 length	16
4	Can timeout	0	11	PD03 address	24673	19	PD13 address	24672
5	Modbus timeout	200	12	PD03 length	8	20	PD13 length	8
6	Gateway Mode	0	13	PD04 address	0	21	PD14 address	0
			14	PD04 length	0	22	PD14 length	0
						23	CanOPEN baudrate	1000
						252	EtherCAT VendorID	11495

Read Gateway Registers

Write Gateway Registers

Write configuration to Flash

Notes

- Use NILAB Starter for commissioning and diagnosis without an EtherCAT connection.
- The tool reads and writes the control word, the status word, the PDO/PDI mapping, and the CANopen baud rate.
- Download the software from the link above.
- Refer to the configuration page for the network setup and the parameterization.

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Last update: **2026/09/11 07:55**



