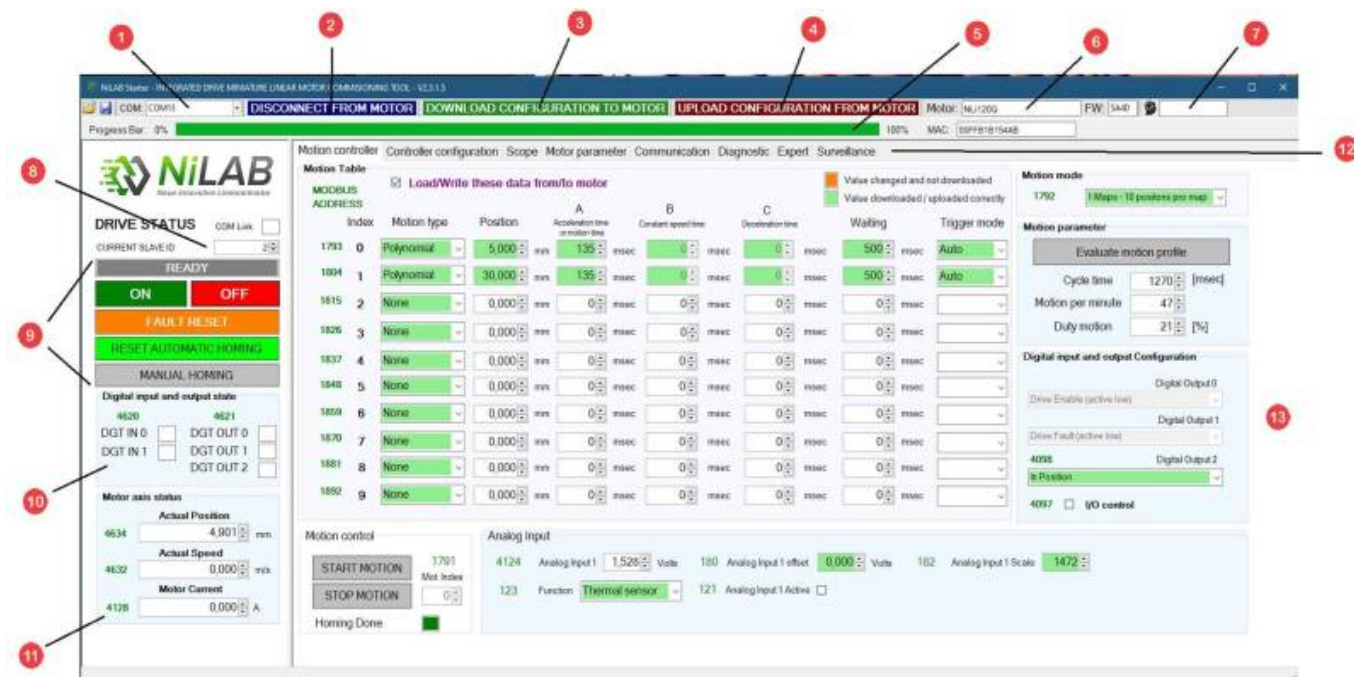


Interface description

Overview

1. Communication Port (example: COM2, COM3,..)
2. Button to establish a communication with the motor
3. Button to download the configuration from the interface to the motor
4. Button to upload the configuration from the motor to the interface
5. Progress bar that indicates the percentage of download or upload procedure
6. Motor type detected (ex: NLi120Q or NLi080Q)
7. Field to insert the password for expert mode
8. Current slave ID
9. Drive status and buttons for switch on and off, fault reset and homing procedure
10. Status of digital inputs and outputs
11. Status of motor axis (position, speed and current)
12. Windows selection (motion, controller, scope, motor parameter, communication, diagnostic, expert and surveillance)
13. Motion table window



How to download and store the current interface data

The user can connect to the motor using different COM ports, downloading and uploading the data stored inside the integrated drive motor memory.

Any change regarding the numbers inside the configuration windows requires to press the download to the motor button to update the configuration inside the memory of the motor. When some parameters change, the color will change to orange to underline which number has to be downloaded inside the motor. After the download the color of the parameters must always be green. **PLEASE IN ORDER TO STORE PERMANENTLY THE CONFIGURATION - PRESS THE WRITE**

CONFIGURATION TO FLASH

The screenshot shows the NiLAB Starter Commissioning Tool interface. On the left, there is a status panel with 'READY' and 'ON' buttons. The main area is divided into several sections: 'Homing Setup' with parameters like 'Homing current threshold' (500 mA) and 'Homing speed' (50 mm/s); 'Production Parameter' with 'Motor Serial Number' (0); and 'Supply and MODBUS/CAN' with 'Drive Power Supply' (24 Volts). On the right, there are timing diagrams for 'Homing methods' and 'In position function'. At the bottom right, there is a 'Flash Memory Command' section with three buttons: 'Write configuration to flash' (highlighted with a red arrow), 'Read configuration from flash', and 'Drive Reset'. A note below the buttons states: 'Read/Write flash only when drive is off'.

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