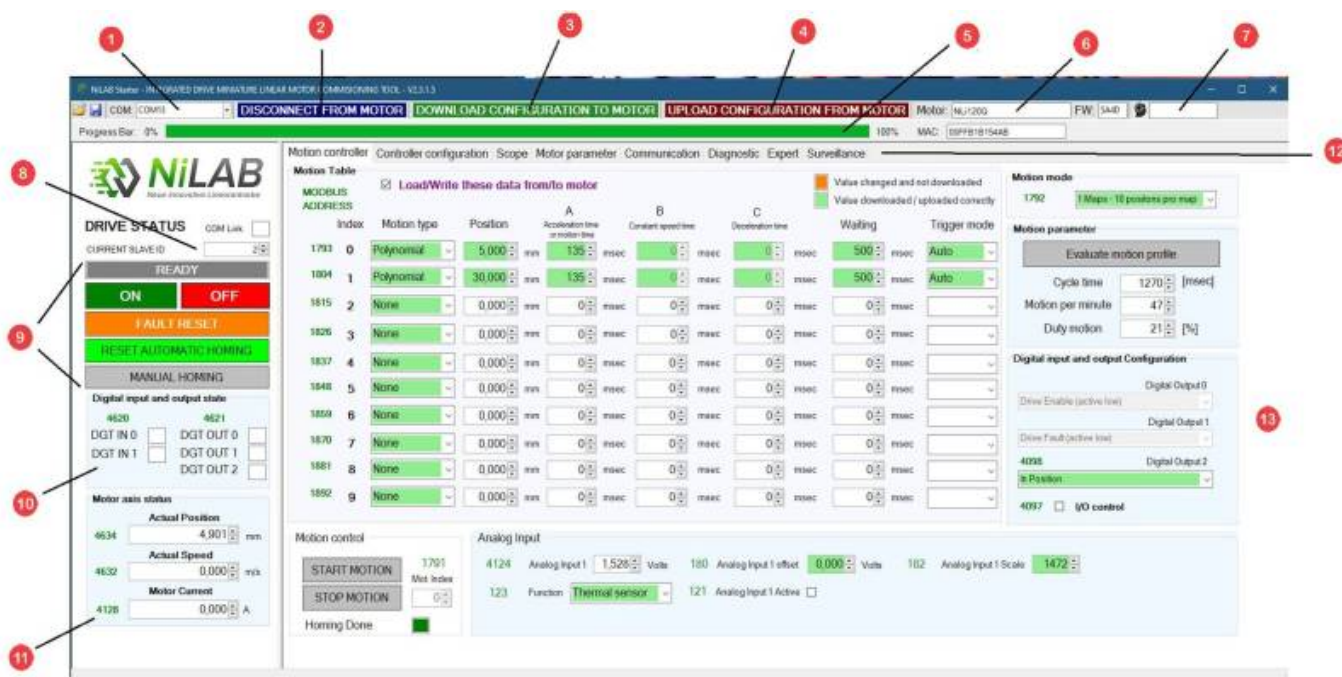


# Interface description

## Overview

| Item                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------|
| Communication Port (example: COM2, COM3,...)                                                                       |
| Button to establish a communication with the motor                                                                 |
| Button to download the configuration from the interface to the motor                                               |
| Button to upload the configuration from the motor to the interface                                                 |
| Progress bar that indicates the percentage of download or upload procedure                                         |
| Motor type detected (ex: NLI120Q or NLI080Q)                                                                       |
| Field to insert the password for expert mode                                                                       |
| Current slave ID                                                                                                   |
| Drive status and buttons for switch on and off, fault reset and homing procedure                                   |
| Status of digital inputs and outputs                                                                               |
| Status of motor axis (position, speed and current)                                                                 |
| Windows selection (motion, controller, scope, motor parameter, communication, diagnostic, expert and surveillance) |
| 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**

**NiLAB Starter Commissioning Tool - V2.4.1.5**

Progress Bar: 0%

Current ID: 1 COM Link: COM1

**STATUS**  
READY  
ON OFF  
FAULT RESET  
RESET AUTOMATIC HOMING  
AUTO 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 40.455 mm  
Actual Speed: 4632 0.000 mm/sec  
Motor Current: 4128 0.000 A  
Motion state: IDLE

**Parameter Configuration**

| MODBUS ADDRESS                   | Value                               |
|----------------------------------|-------------------------------------|
| 00 Homing current threshold      | 500 mA                              |
| 61 Homing speed                  | 50 mm/s                             |
| 59 Invert zero position          | <input checked="" type="checkbox"/> |
| 58 Trigger mode                  | Do mechanical stop                  |
| 104 Soft Landing (vertical axis) | <input type="checkbox"/>            |
| 3 Motor Serial Number            | 0                                   |
| 12 Manufactured in               | 0 Month                             |
| 13 Manufactured in               | 0 Year                              |
| 4636 Drive Power Supply          | 24 Volts                            |
| 1 Device ID                      | 1                                   |
| 220 CanOPEN Baudrate             | 0 > 1 Mbit/sec                      |

**Homing methods**  
Mechanical Stop trigger  
RB / NC Sensor Trigger  
Proximity Switch  
Proximity Switch

**In position function**  
In Position window size: 163 5000 +/- microns

**Flash Memory Command**  
Write configuration to flash  
Read configuration from flash  
Drive Reset

**Warnings:**  
New Device ID or Baud requires download configuration to motor write configuration to flash and then reset or power cycle  
Please, do not use Device ID = 128 (it is for Gateway ETH NiLAB)

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