

Bewegungscontroller

Positionstabelle

Das Fenster Bewegungscontroller wird verwendet, um die Bewegungssequenzen anzugeben. Es basiert auf 10-Zeilen-Tabellen. Jede Zeile konfiguriert die Bewegungsaufgabe mit diesen Parametern:

Element

Bewegungstyp: trapezförmig, dreieckig, polynomisch, sinusförmig oder Kraft

Zielposition

Beschleunigungs-, Verzögerungs- und Konstantgeschwindigkeitszeit abhängig vom verwendeten Bewegungsprofil

Wartezeit

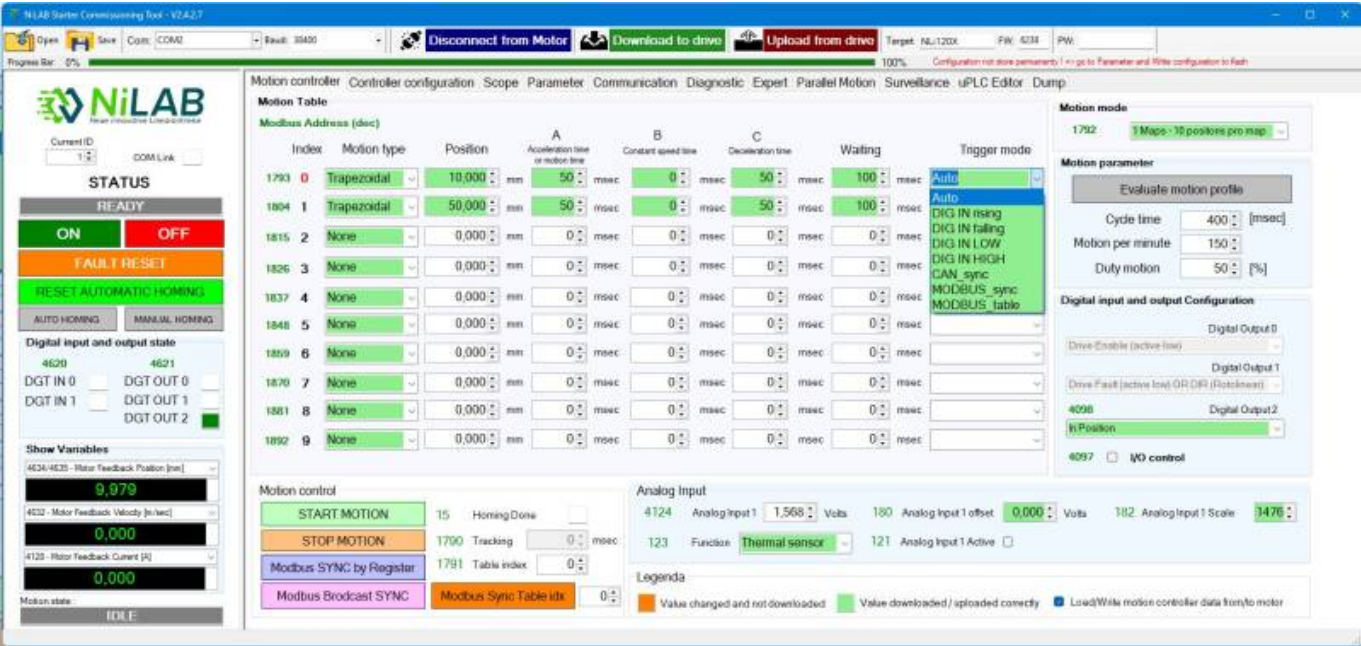
Triggermodus: automatisch, ansteigende Kante, fallende Kante, hoher und niedriger Pegel des Trigger-Eingangs (Digitaler Eingang 1)

The screenshot displays the NiLAB Starter Commissioning Tool interface. The main window is titled "Motion Table" and shows a table with 10 rows (Index 0 to 9) for configuring motion sequences. The table columns include Index, Motion type, Position, Acceleration time, Constant speed time, Deceleration time, Waiting, and Trigger mode. The table is currently set to "Trapezoidal" motion type with a position of 10,000 mm and a waiting time of 100 ms. The "Motion mode" is set to "1 Maps - 10 positions per map".

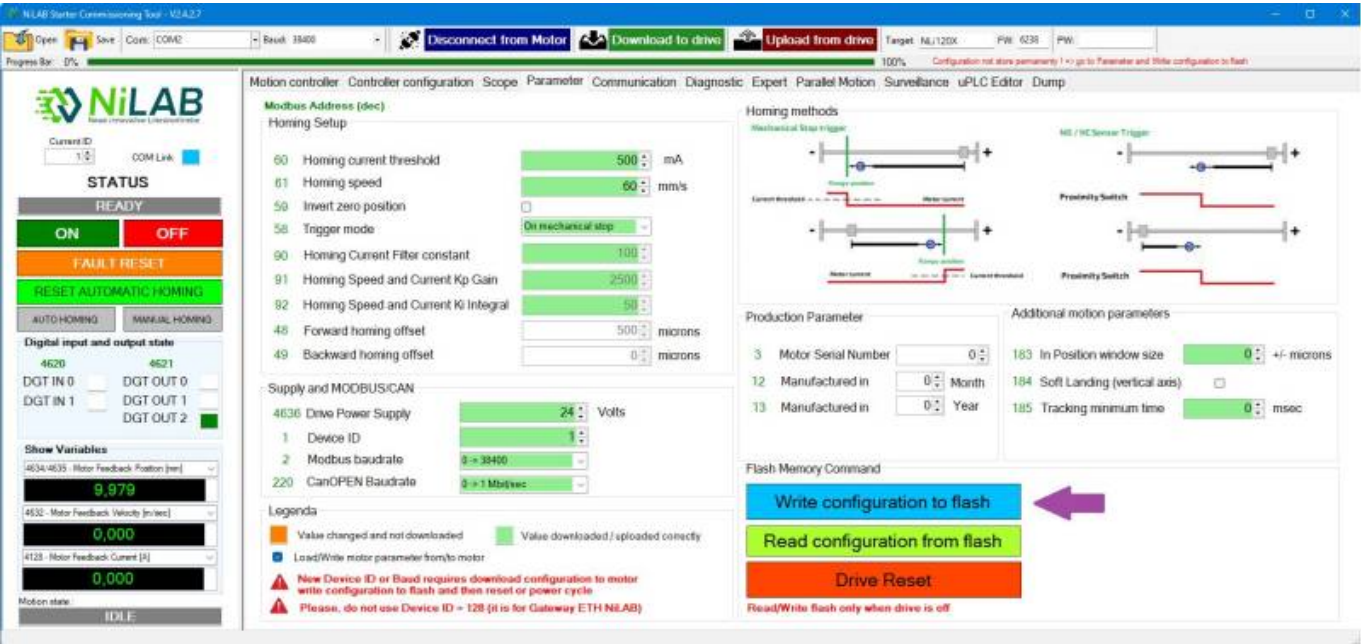
On the left side, there is a "STATUS" section with "ON" and "OFF" buttons, a "FAULT RESET" button, and a "RESET AUTOMATIC HOMING" button. Below this, there is a "Digital input and output state" section showing DGT IN 0, DGT OUT 0, DGT IN 1, and DGT OUT 2. A "Show Variables" section displays motor feedback position (9,979 mm) and velocity (0,000 mm/s).

On the right side, there is a "Motion parameter" section with "Cycle time" (400 ms) and "Motion per minute" (150). Below this, there is a "Digital input and output Configuration" section showing "Drive Enable (active low)", "Digital Output 0", "Digital Output 1", "Drive Fault (active low) OR DIR (Rotations)", "Digital Output 2", and "B Position".

At the bottom, there is a "Motion control" section with "START MOTION" (15 Homing Done), "STOP MOTION" (1790 Tracking), and "Modbus SYNC by Register" (1791 Table index). A "Modbus Broadcast SYNC" section shows "Modbus Sync Table idx" (0). An "Analog Input" section shows "4124 Analog Input 1" (1,568 Volts) and "180 Analog Input 1 offset" (0,000 Volts). A "Legenda" section shows "Value changed and not downloaded", "Value downloaded / uploaded correctly", and "Load/Write motion controller data from/to motor".



BITTE, UM DIE KONFIGURATION DAUERHAFT ZU SPEICHERN - DRÜCKEN SIE WRITE CONFIGURATION TO FLASH



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