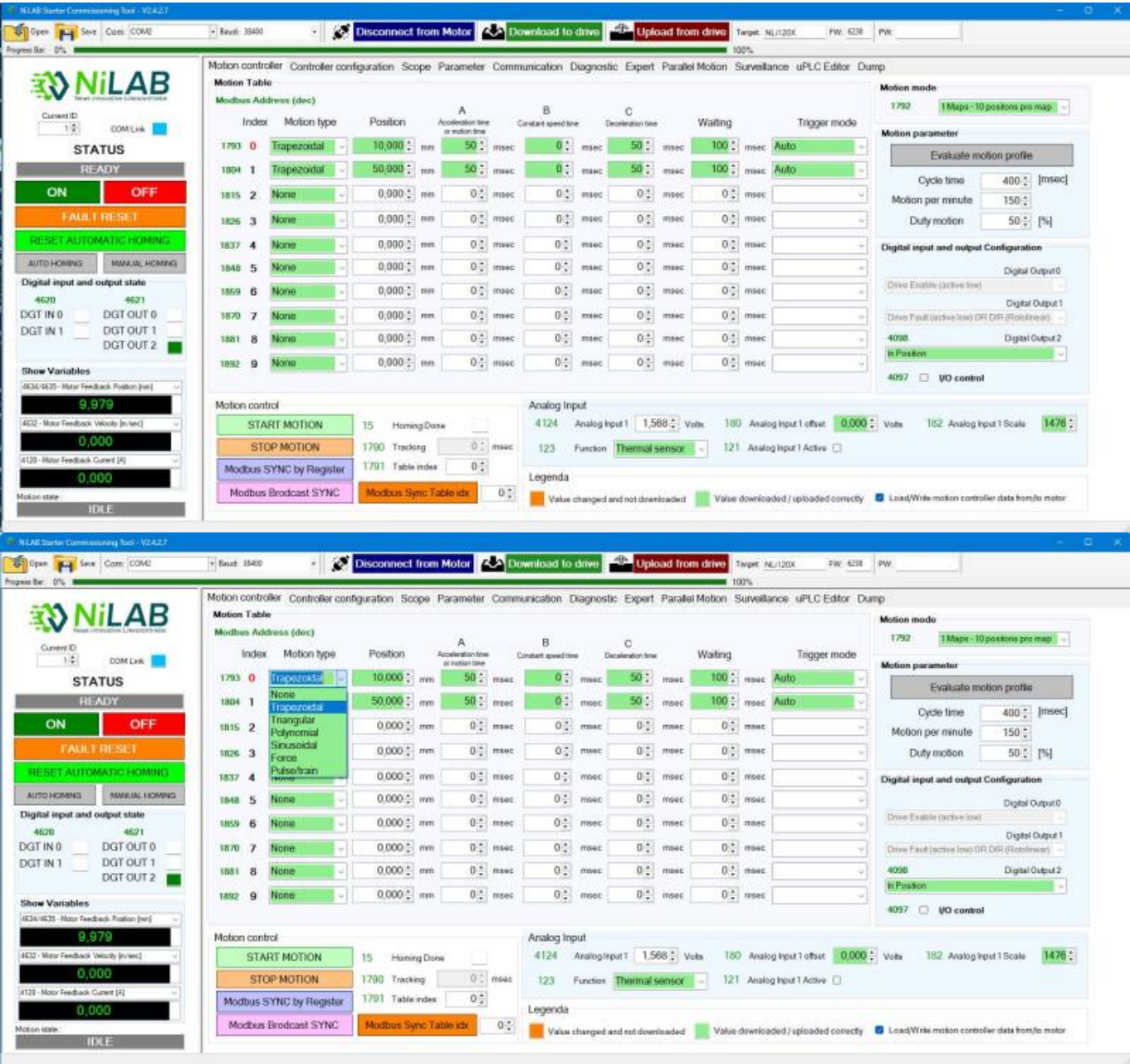


Bewegungscontroller

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 shows the NiLAB Starter Configuration Tool interface. The top bar includes buttons for 'Open', 'Save', 'Copy', 'Disconnect from Motor', 'Download to drive', and 'Upload from drive'. The main window is divided into several sections:

- Left Panel:** Contains a 'STATUS' section with 'ON' and 'OFF' buttons, a 'FAULT RESET' button, and 'RESET AUTOMATIC HOMING' and 'MANUAL HOMING' buttons. Below this is the 'Digital input and output state' section with DGT IN/OUT 0-2 indicators. The 'Show Variables' section displays motor feedback data: Position (0.979), Velocity (0.000), and Current (0.000).
- Motion Table:** A table with columns for Index, Motion type, Position, Acceleration time, Constant speed time, Deceleration time, Waiting, and Trigger mode. It lists 10 motion profiles (1793 to 1892).
- Motion mode:** A dropdown menu set to '1 Maps - 10 positions per map'. Below it is the 'Motion parameter' section with 'Cycle time' (400 msec), 'Motion per minute' (150), and 'Duty motion' (50 %).
- Digital input and output Configuration:** A section for configuring digital outputs, including 'Drive-Enable (active low)', 'Digital Output 1', 'Drive-Fast (active low OR DIR (Rotinewest))', 'Digital Output 2', and '4097'.
- Motion control:** A section with buttons for 'START MOTION', 'STOP MOTION', 'Modbus SYNC by Register', and 'Modbus Broadcast SYNC'. It also includes a 'Homing Done' indicator.
- Analog Input:** A section for configuring analog inputs, including 'Analog Input 1' (1.568 V), 'Analog Input 1 offset' (0.000 V), 'Analog Input 1 Scale' (3476), and 'Analog Input 1 Active'.

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

The screenshot shows the NiLAB Starter Configuration Tool interface with the 'Homing Setup' and 'Flash Memory Command' sections highlighted.

- Homing Setup:** A section for configuring homing parameters, including 'Homing current threshold' (500 mA), 'Homing speed' (60 mm/s), 'Invert zero position' (checked), 'Trigger mode' (On mechanical stop), 'Homing Current Filter constant' (100), 'Homing Speed and Current Kp Gain' (2500), 'Homing Speed and Current Ki Integral' (50), 'Forward homing offset' (500 microns), and 'Backward homing offset' (0 microns).
- Flash Memory Command:** A section with three buttons: 'Write configuration to flash' (highlighted with a purple arrow), 'Read configuration from flash', and 'Drive Reset'. Below these buttons is a warning: 'Read/Write flash only when drive is off'.

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