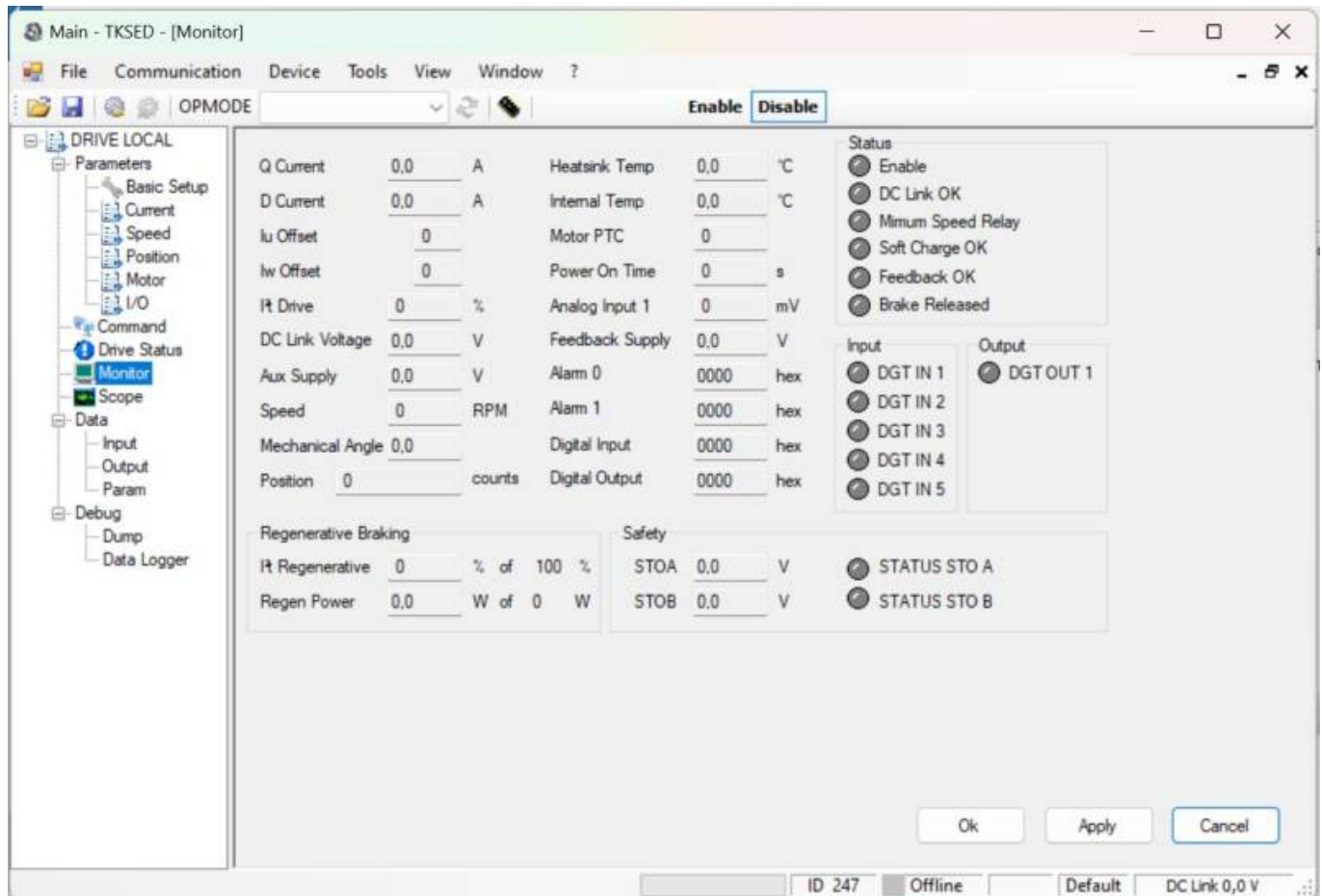


Two kind of software interface are available for programming EPULSE servo drive: ByInterface for general configuration and commitioning and Motolab starter for commitioning of applications

NiLAB ByInterface - Software for parametrization

Download link:

<https://www.nilab.at/download/nilab-byinterface-10-4-0-epulse-and-mbd-drive/?wpdmdl=6966&refres h=654c8643e112a1699513923>



MotoLAB Starter - Software for application configuration

Download link:

https://www.nilab.at/download/motolab_starter_ver0-0-1-0/?wpdmdl=6631&refresh=654c8643db4f81699513923

The screenshot shows the Motolab software interface for configuring a motor drive. The interface is divided into several sections:

- DRIVE STATUS:** Includes a 'COM Link' indicator, a 'DISCONNECTED' status, and buttons for 'ON', 'OFF', 'FAULT RESET', 'AUTOMATIC HOMING', and 'MANUAL HOMING'.
- I/O Status:** Shows digital input and output indicators.
- Actuator Status:** Displays real-time data for Motor Speed (0 RPM), Linear Speed (0.0 mm/sec), Motor Current (0.0 A), and Current Position (0.000 mm).
- Actuator setup:** Configures parameters such as Peak Current (63 A x 10), Rated Current (62 A x 10), Motor Poles (200), Motor phase angle (201), Motor thermal sensor (213), Motor type (202), Motor feedback type (204), Ballscrew Pitch (424, 5000 microns), and Max actuator stroke (429, 5000 mm).
- Homing setup:** Configures Homing speed (420, 0 mm/sec), Homing current threshold (421, 0 A x 10), Homing time window (422, 0 msec), and Maintenance interval (426, 5000 km).
- Absolute position setup:** Configures Current multium value (4153, 1 turns), Valid value for absolute (4156, checked), and Enable absolute position function (432, unchecked).
- Fieldbus setup:** Configures CANopen parameters including Device ID (0), Actual node ID (1), Baud Rate (18), PLL (38), and Integrated positioner activation (21, unchecked).
- SIN/COS Encoder calibration:** Configures Sinus offset (214, 0), Cosinus offset (215, 0), Sinus gain (217, 0), Cosinus gain (216, 0), and Mechanical offset (430, 0 counts).

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