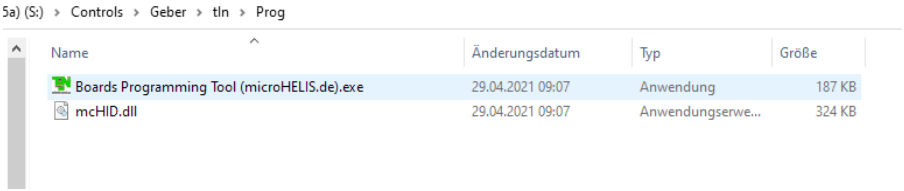
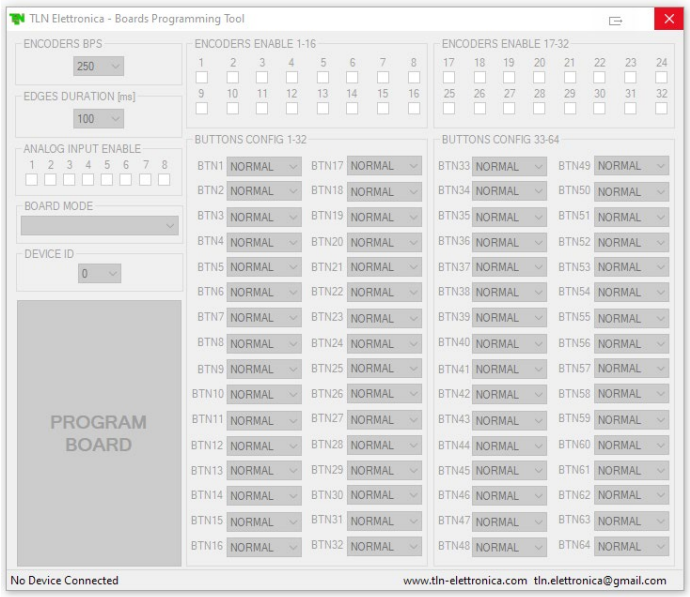
MHS/TLN Tool operation and setting options of the PICK-UP board

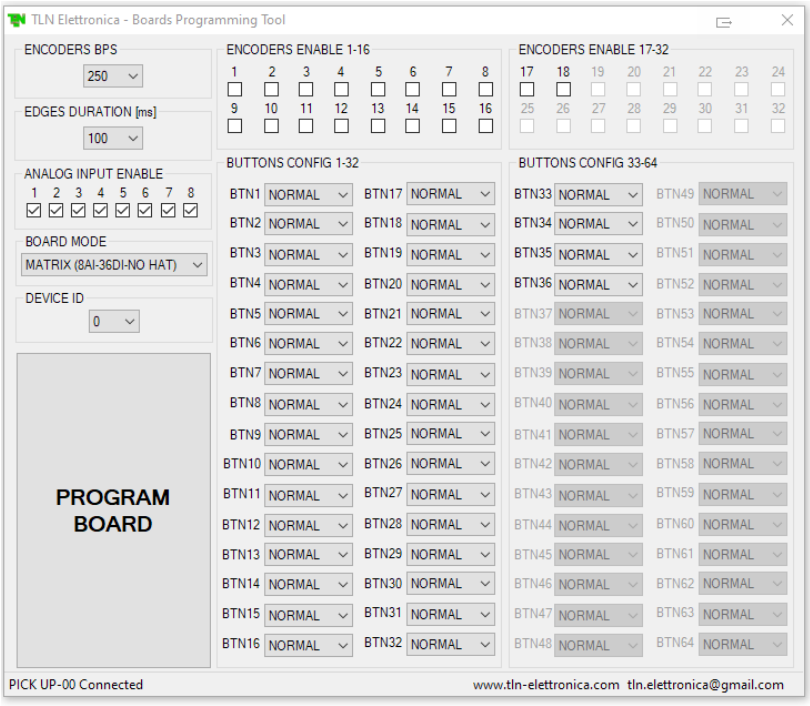
To use the 2 program components must be copied into a directory.



Calling up the program without a connected board



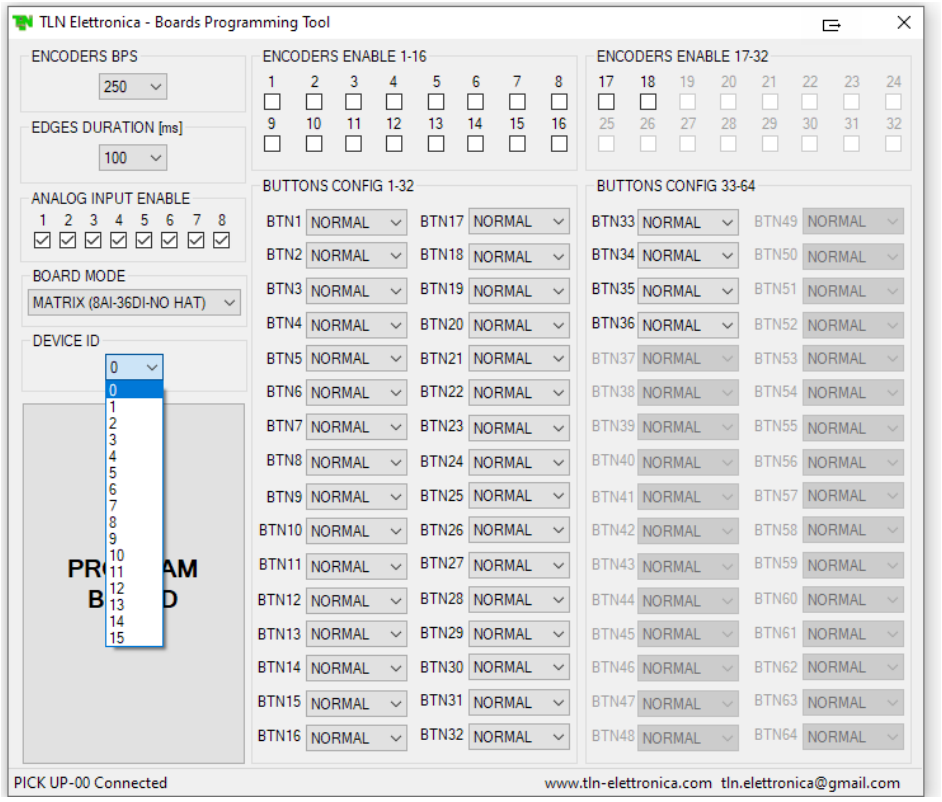
After plugging in the board, the program changes to the set parameters.



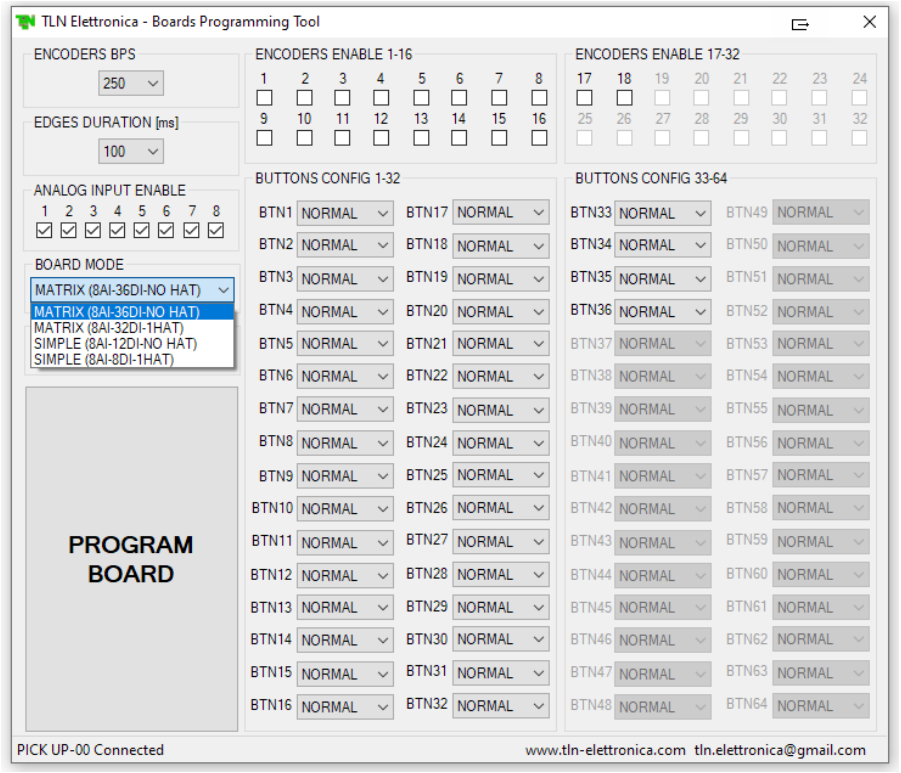
The picture shows a board in the default setting.

First of all, a device ID should be selected so that several boards can be differentiated in a system.

ID 0 to ID 15 are currently available.



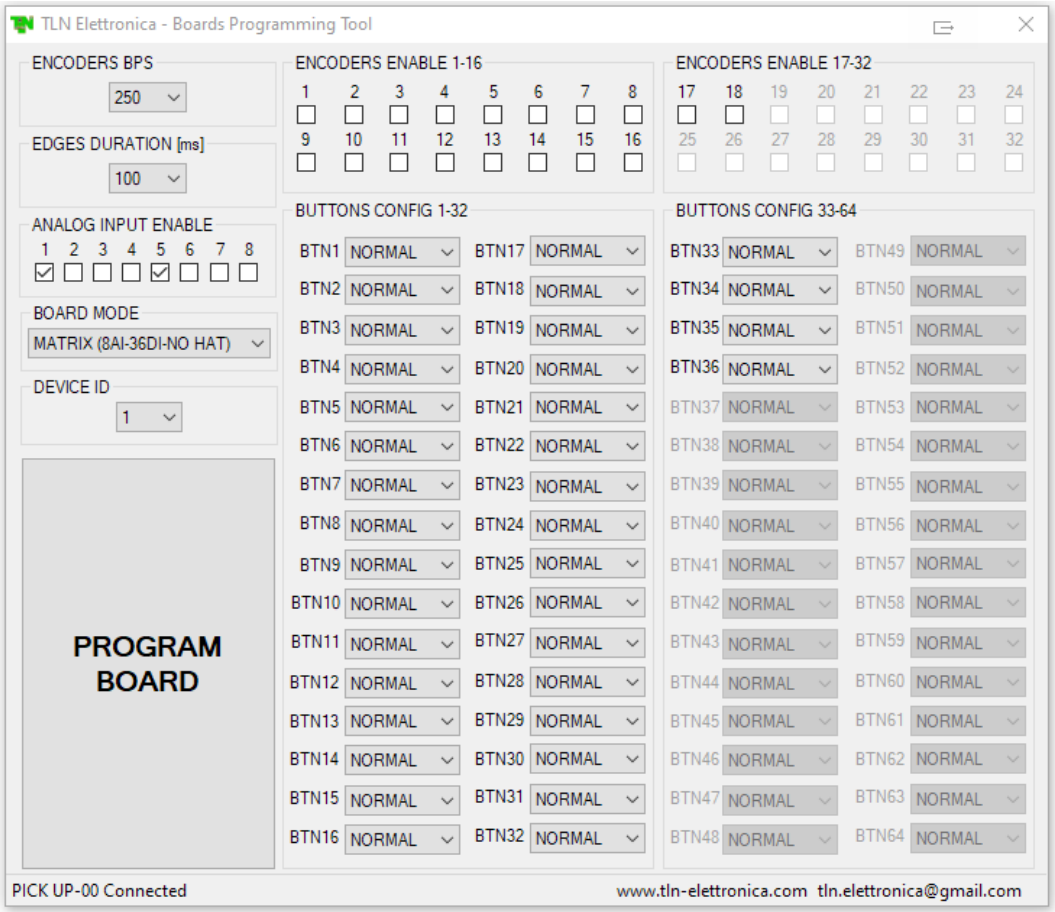
Then the operating mode of the board can be selected



1. MATRIX (8AI-36DI-NO HAT)
   This mode has 8 analog inputs and 36 digital inputs via the SPREAD-OUT board, without directional coolie on inputs 33-36
2. MATRIX (8AI-32DI-1HAT)
   This mode has 8 analog inputs and 36 digital inputs via the SPREAD-OUT board, with 1 coolie hat (0-90-180-270) on inputs 33-36
3. SINGLE (8AI-12DI-NO HAT)
   This mode has 8 analog inputs and 12 digital inputs via the 12 contacts towards the G contact
4. SINGLE (8AI-8DI-1HAT)
   This module has 8 analog inputs and 8 digital inputs (Columns 1-6 and Rows 1 + 2) and 1 4-Way Coolie Hat (0-90-180-270) (Rows 3-6) against G via the 2x6 contacts

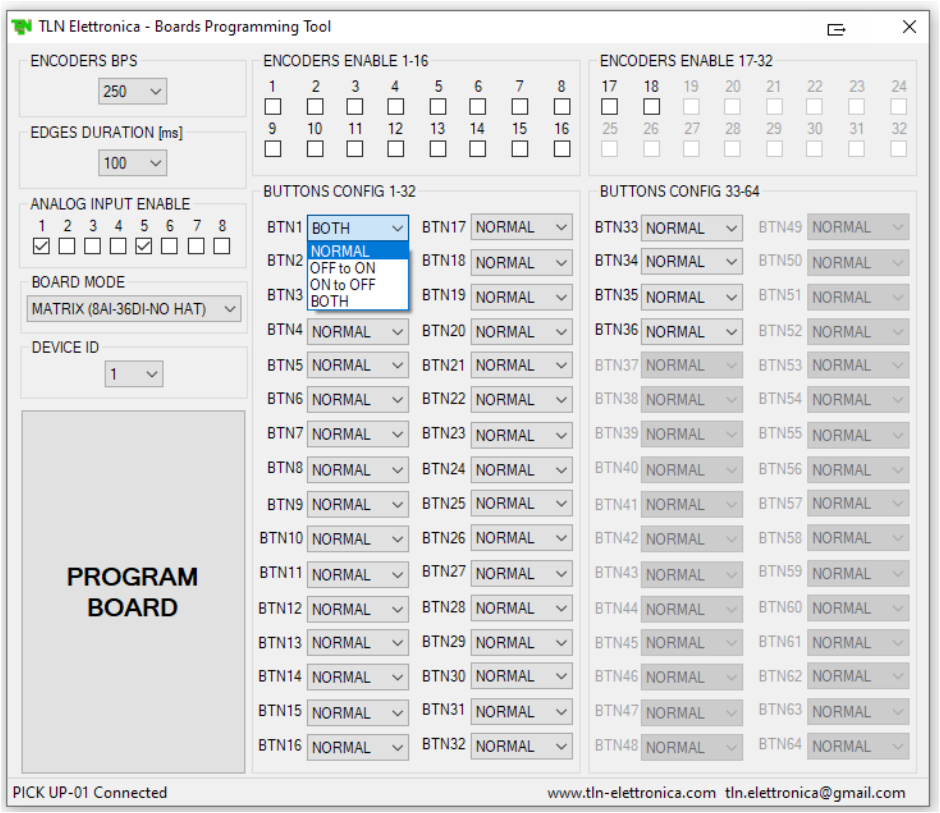
Now please click on "PROGRAM BOARD" and set the selected parameters.

Then the "active" axes can be defined.



In the picture only axes 1 and 5 are now active, the other axes then do not generate ghosts, e.g. in DIView. Axes 1-4 can also be laid using a connector cable with only 6 wires. When connected to the SPREAD-OUT board, these 4 axes are available in one handle next to the inputs, e.g. for an analog thumb stick.

The reaction of the digital inputs can be adjusted



NORMAL:

means here that the input is physically evaluated. The input is "pressed" "closed" as long as the contact is closed.

OFF to ON:

Only the switch-on process (close / press) is passed on as an impulse. The pulse duration is determined by EDGES DURATION. The switch-off process (open / release) is not registered.

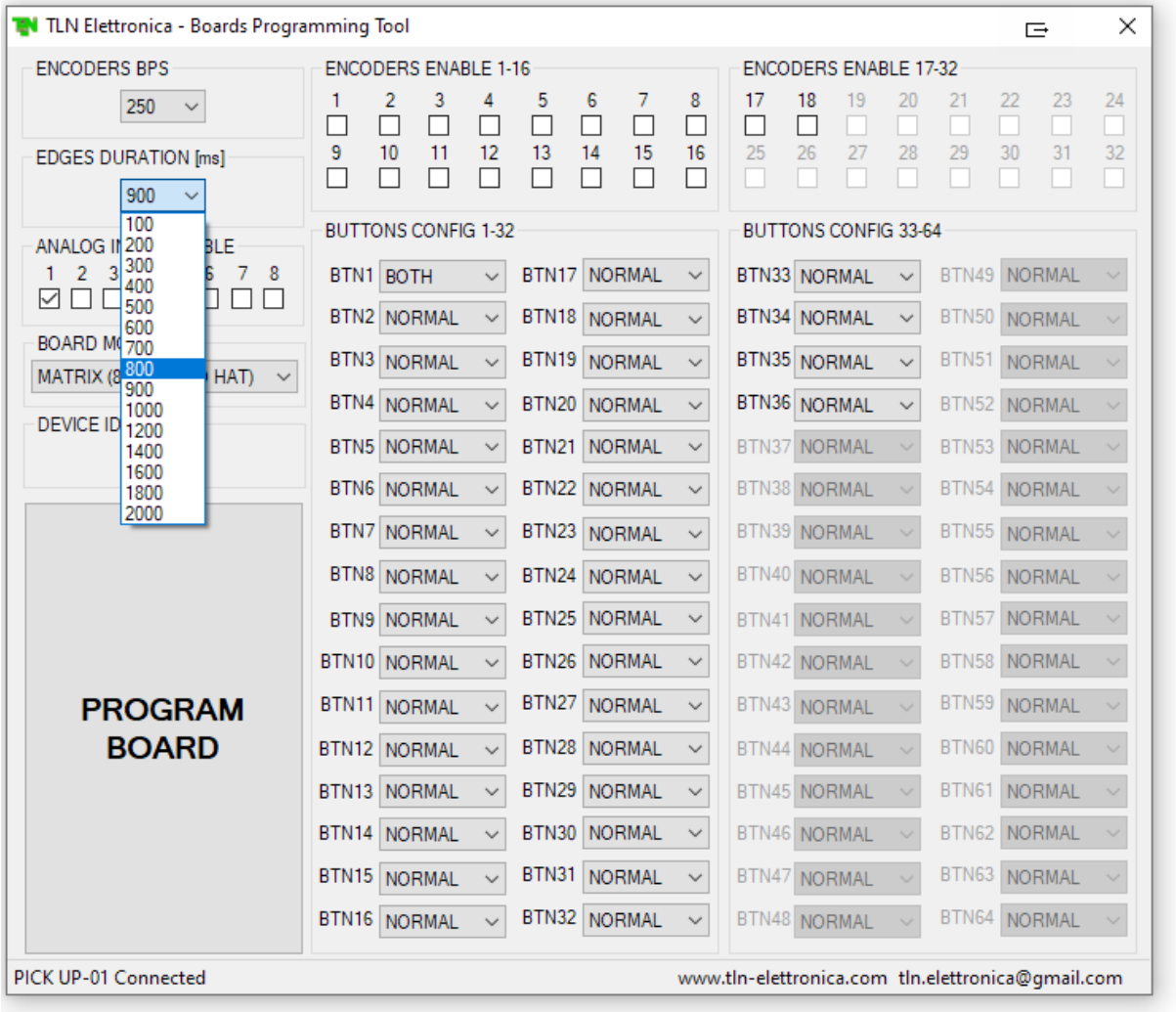
ON to OFF:

Only the switch-off process (open / release) is passed on as an impulse. The pulse duration is determined by EDGES DURATION. The switch-on process (close / press) is not registered.

BOTH:

Both switching processes are passed on as an impulse. In the "Both" mode, a toggle function can be simulated despite a physical ON-OFF switch.

EDGES DURATION



This allows the switching pulse duration for the button modes to be determined unequal to normal.

E.g. the switch-on process in the OFF to On mode starts the reported signal for the set duration. After the time has elapsed, it is automatically ended again.

Please transfer all selected settings to the board with "PROGRAM BOARD".