

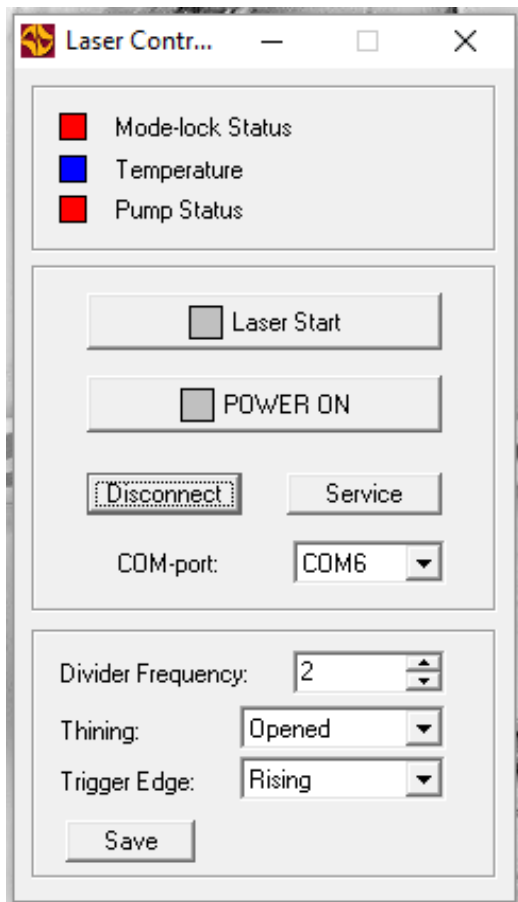
Possible external control solutions:

1) Turn on/Turn off system procedure control via “Remote Control” external digital connector.

Pin number	Input/Output designation
1	Digital input: Turn on/Turn off. Allows system turn-on procedure via “HI” signal level and turn-off procedure via “LOW”.
2	Digital output: System ready signal. “HI” level denotes that the system is ready to be initialized after warm-up.
3	Digital input: Interlock. If connected to ground (pins 6...9) then the system is operational, otherwise the system shuts down.
4	Digital output: MLS - mode-locking status. “HI” level shows mode-locking is present, “LOW” level shows absence of pulsed mode.
5	Digital output: Pump diodes’ status. “HI” – at least one of the pump diodes is turned on, “LOW” – all pumps are turned off.
9 .. 14	Ground

2) Software control (software is supplied in the initial package).

Software screen:



An SDK with command library is available to integrate with and monitor the system’s parameters in third-party software.

3) Control via output AOM optical shutter (only if AOM option is installed):

Fast shuttering is implemented via an optional AOM pulse picker, which may be controlled by an external TTL signal. The AOM's trigger time is synchronized with the laser pulse train. The pulses may be selected in any order by supplying the relevant trigger signal.

Internal trigger may also be implemented via the software or via the device menu, this trigger may thin out the pulse train by dividing it by a certain set coefficient (2, 3, 4 etc.).