

Fiberlaser

Software Installation

- Verion name: FiberLaserv6.9



- Manual:

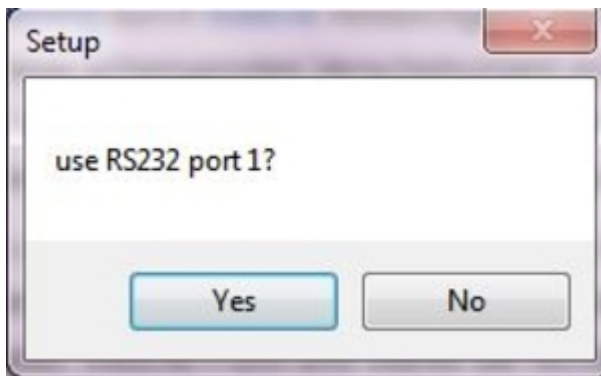
fiberlaser-v6.9.pdf



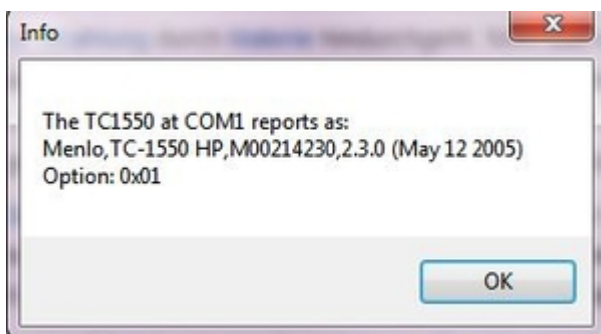
First start FiberLaser for better autotuning and afterwards Fiber Comb Control for controlling Repetition Rate Stepper Motor and CEO Tuner

Close the program “*Fiber Comb Control*” and lock out the CEO- & REP-PID in the rack, otherwise you can’t optimize the comb!

- Push Yes



- Push OK



- If you **turn off and on** the freuquency comb, then push in the order:

1. *Reset*

2. *Auto on*
3. *Enable on*



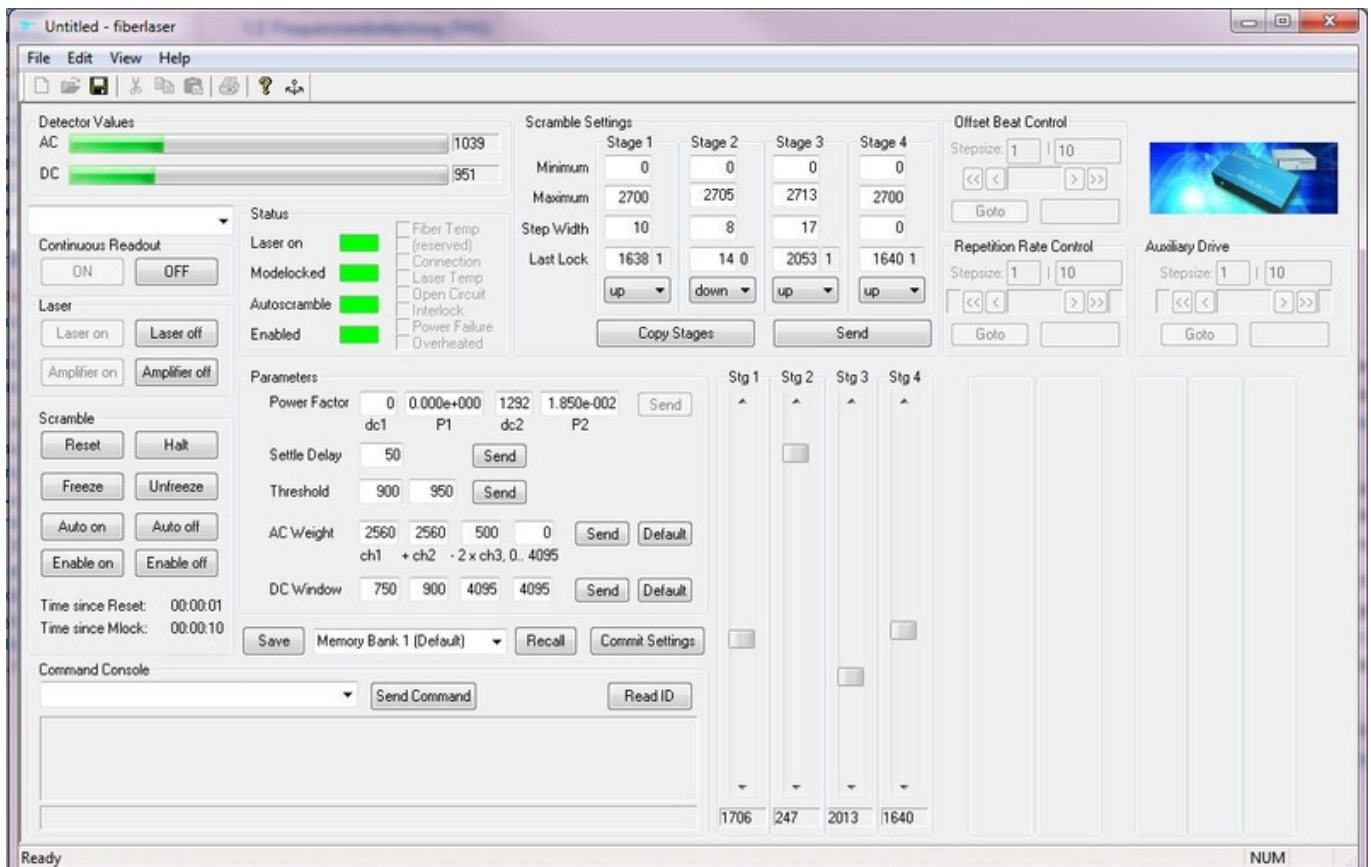
The program is done, if all four boxes [*Laser on*, *Modelocked*, *Autoscrumble*, *Enabled*] are green!

- For **closing** the software:

1. *Halt*
2. *Freeze*
3. Now you can optimize CEO-frequency, therefore play with the arrows *Stg 1-Stg 4* for the squeezer. Thereby you have to show the CEO-frequency on the Specki and afterwards show the Beat-Signal with 914nm-laser. If one beat is bad, you found a bad modelock point! And don't forget to optimize the Beat-Signal with 914nm-laser with the PCF and SHG controllers!
4. Close the window

- Possible **problems**:

1. If you can't modelocked the laser. Don't worry maybe the fs Laser and Amplifier is off. Then push:
 1. Push *Laser on*
 2. Push *Amplifier on*
2. If the "Scramble Settings arrows" don't move and the step width are 0. Than change the "step width" from 0 to 3 or 5. Afterwards push the "Send" button.



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Last update: **2020/01/15 11:58**

