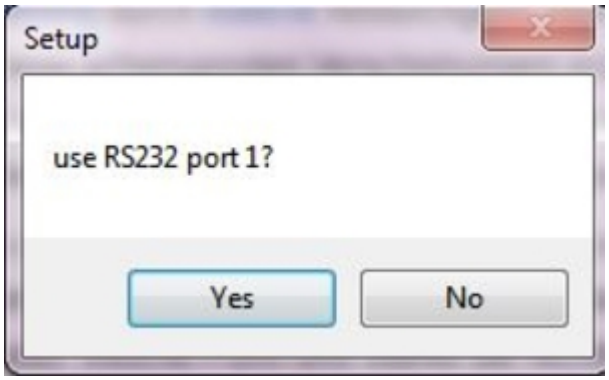
Fiberlaser

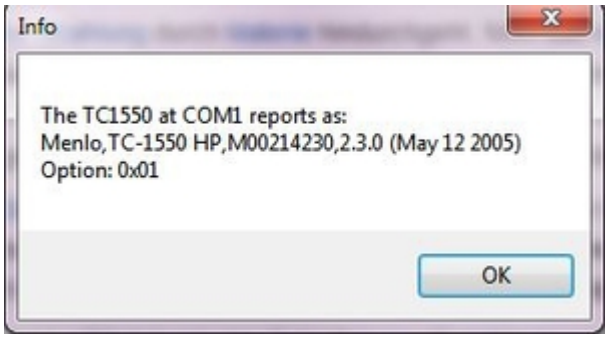
First start FiberLaser for better autotuning and afterwards Fiber Comb Control for controlling Repetition Rate Stepper Motor and CEO Tuner

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 freuqency 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*, *Autoscramble*, *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.