

Fiber Comb Control



Installation informations

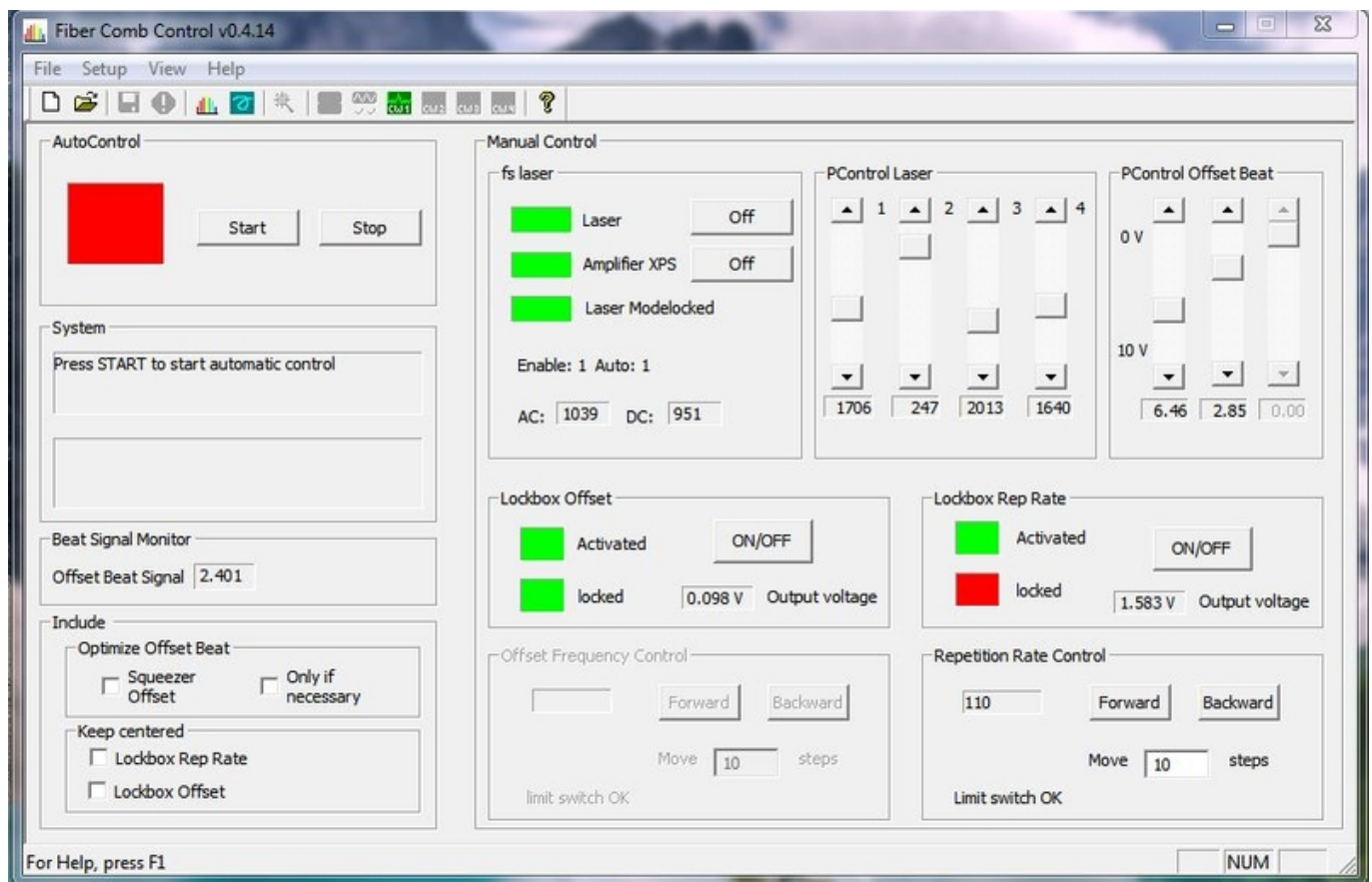
- Install first NI-drivers and LabView
- Version Fiber Comb Control: v0.4.14
- after installation put following config files in (if they were not installed automatically)...\\FiberComb\\etc:
 1. beatcontrol
 2. fibercomb - Copy.setup
 3. fibercomb.setup
 4. fibercomb.setup.generic-0.4.14
 5. fibercomb2 -Copy.setup
 6. fibercomb2.setup
- Change COM port under device manager to COM 1

Usage informations



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

- Start *fiber comb control* without and after *fiber laser* program!
- To optimize CEO-frequency:
 1. “play” with the arrows in *P-Control Laser*
- To optimize a small Rep-error-signal:
 1. Move in steps *Forward/Backward* in *Repetition Rate Control*
- In *Lockbox Rep Rate* is *locked* disabled (red), because it is not connected to the menlosystem electronics.



possible errors:

- If the programm doesn't start: Maybe COM Port wrong (should be COM1 in device manager)!
 1. Start NI Device Monitor;
 2. if NI card (PCI 6221) is not available: Maybe a Re-Install of NIDAQ helps (in the software/comb folder): enables PCI-6221 card

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