

# SP8 Upright quickstart manual

1.0

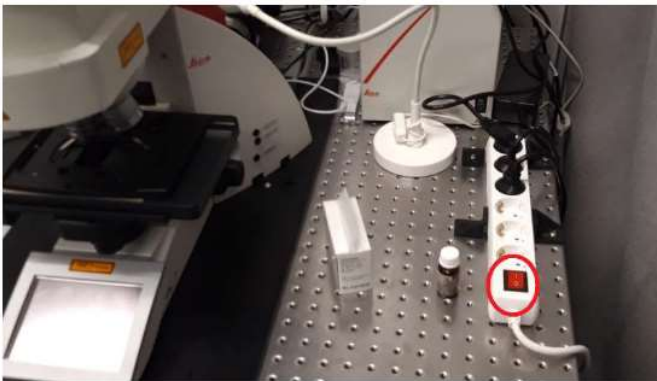
*"To see a world in a grain of sand and a heaven in a wild flower,  
Hold infinity in the palm of your hand and eternity in an hour. "*

*- William Blake*

## Start-up



First turn on the computer. **Then wait that it actually starts up and log in.** Once you have logged in, you may proceed.



Turn on the microscope and the table computer from the extension cord on the table.

Then you need to reach behind the fluorescent lamp and switch it on. If it is already switched on, you need to turn it off and turn it on again.



Turn on the scanner and the lasers and turn the safety key to position '1'.

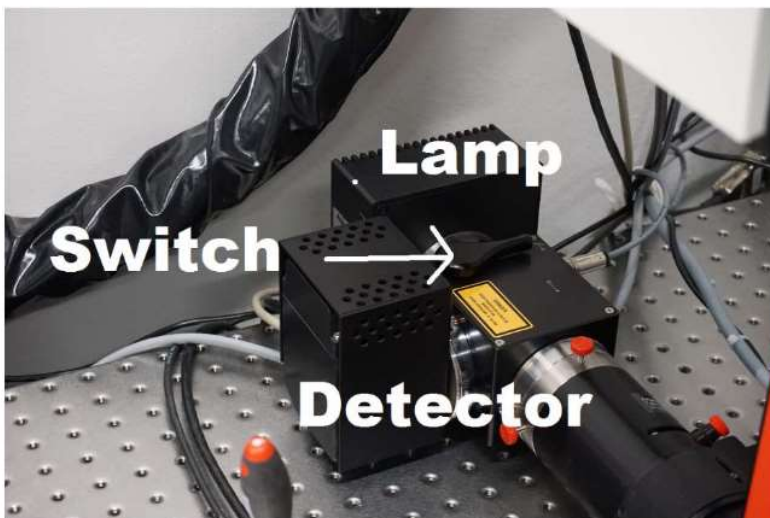
Check that the objective turret is locked in place – that is, check that the objectives don't move if you nudge them slightly.

Start software with configuration 'machine'.

When everything has started, put your sample on the stage.

The system has both transmitted (laser) light detection (allowing you to measure how much light goes through the sample, simulating bright field image) as well as actual bright field filter for eyes.

However these the light path cannot support both of these functions at the same time. Enter the switcher at the back.



The switcher at the back of the microscope is used to change the light path. You either get the lamp light to your eyes (switch towards you) or so that the transmitted light reaches the detector (the switch is pushed back)

## Lasers

To see anything, you need to turn on the lasers from the software. To do, navigate to configuration.



From there, chose laser configuration.

The turn on all the lasers you need.



## **Shutdown**

Save your data.

Check when the next user is coming from the booking system. If they are coming within 2 hours, leave on all the lasers they use. Turn off all the other lasers from laser configuration and close the software.

If no-one is coming within 2 hours, turn off all the lasers from laser configuration and close the software.

If someone is coming to the microscope, remove your sample, clean the objective(s) and log off.

If no-one is coming to the microscope in 2 hours, remove your sample, clean the objective(s).

Turn off the microscope and the fluorescent lamp by switching the extension cord off. Then turn off the key, the scanner and laser switch.

Finally, shut down the computer.