

Leica SP8
Turn On/Turn Off Instructions
for
Laser Scanning
Confocal Imaging

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08/17/17

Turn On

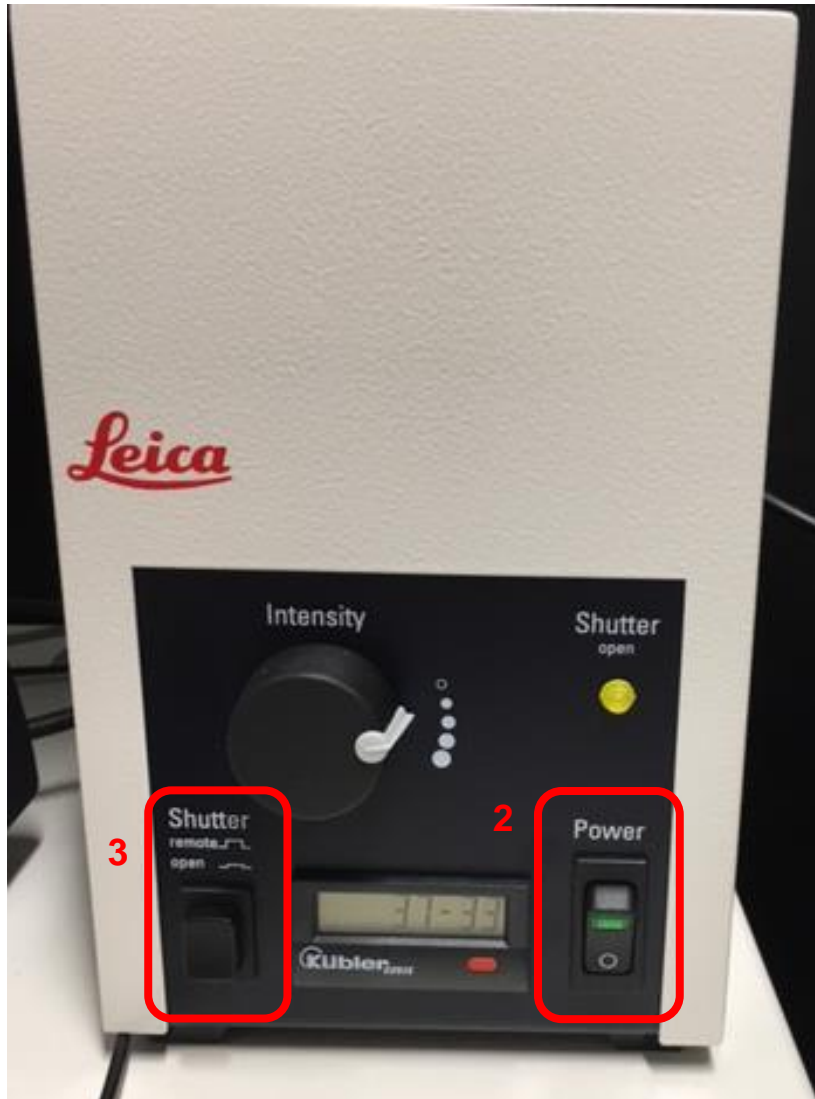
1. Turn on the left power strip.



This power strip controls the:

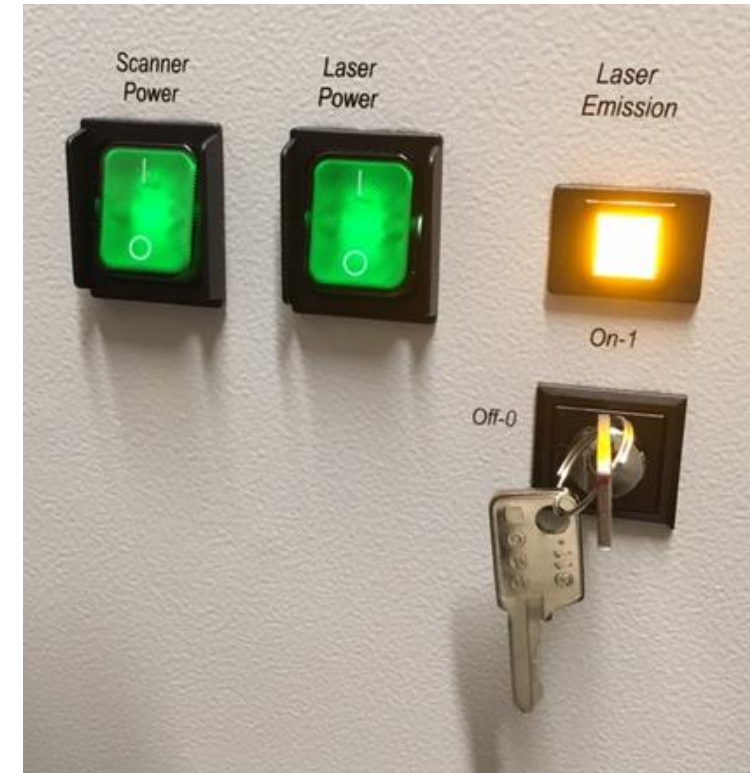
- A. CTR Advanced box.
- B. Computer power.
- C. Chiller.

2. Turn on the light source.
3. Make sure the shutter button is in the "Remote" [out] position.
4. Turn on computer.

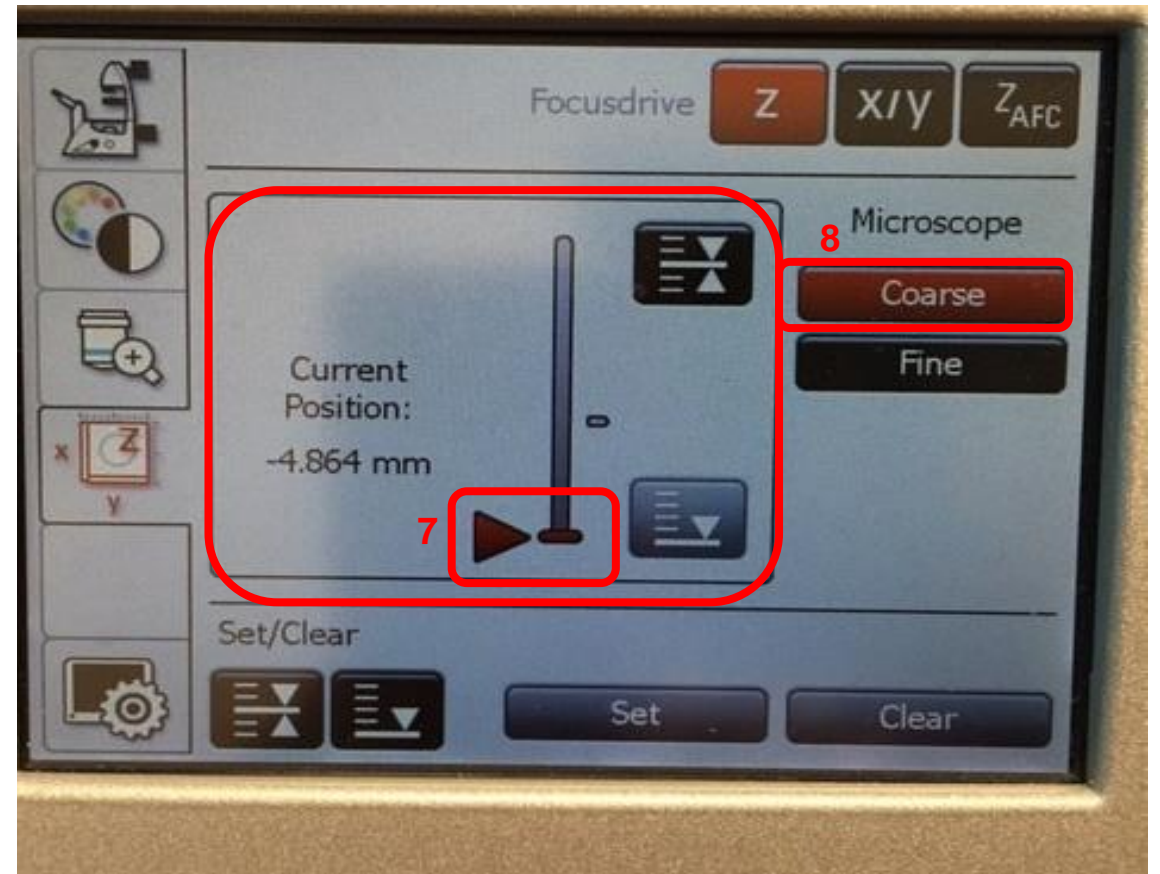


5. Turn on the scanning power unit.

The unit consists of 3 parts: Scanner Power Switch, Laser Power Switch, Laser Emission Key. Turn these on one at a time.



6. On the touch screen pad select x,Z,y icon.
7. In the x,Z,y window make sure the red line in the Current Position window is all the way at the bottom.
8. If it is not at the bottom, select the Coarse button.
9. Use the coarse focus knob on the microscope to lower the red line to the bottom.



10. Select the Objective Icon.

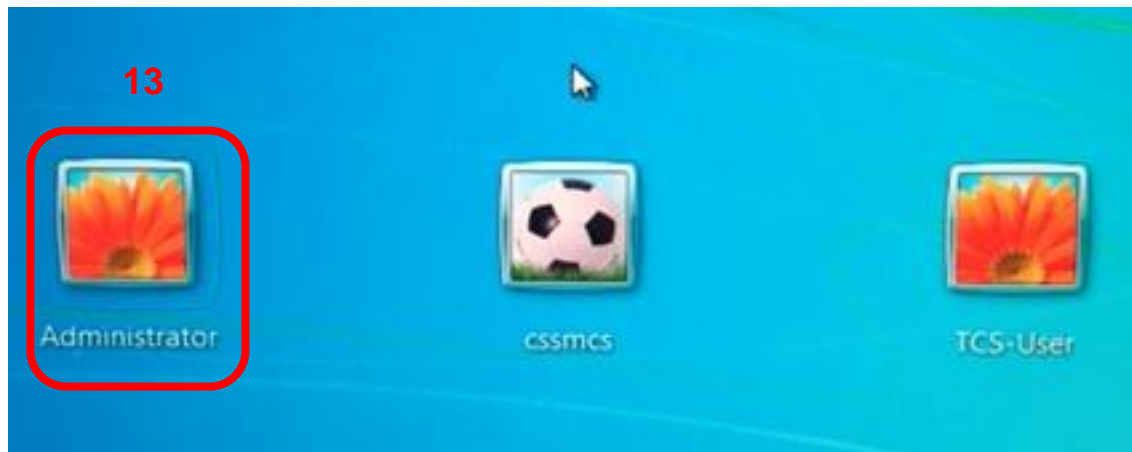
11. Select the lowest magnification objective. In this case it is the 2.5x



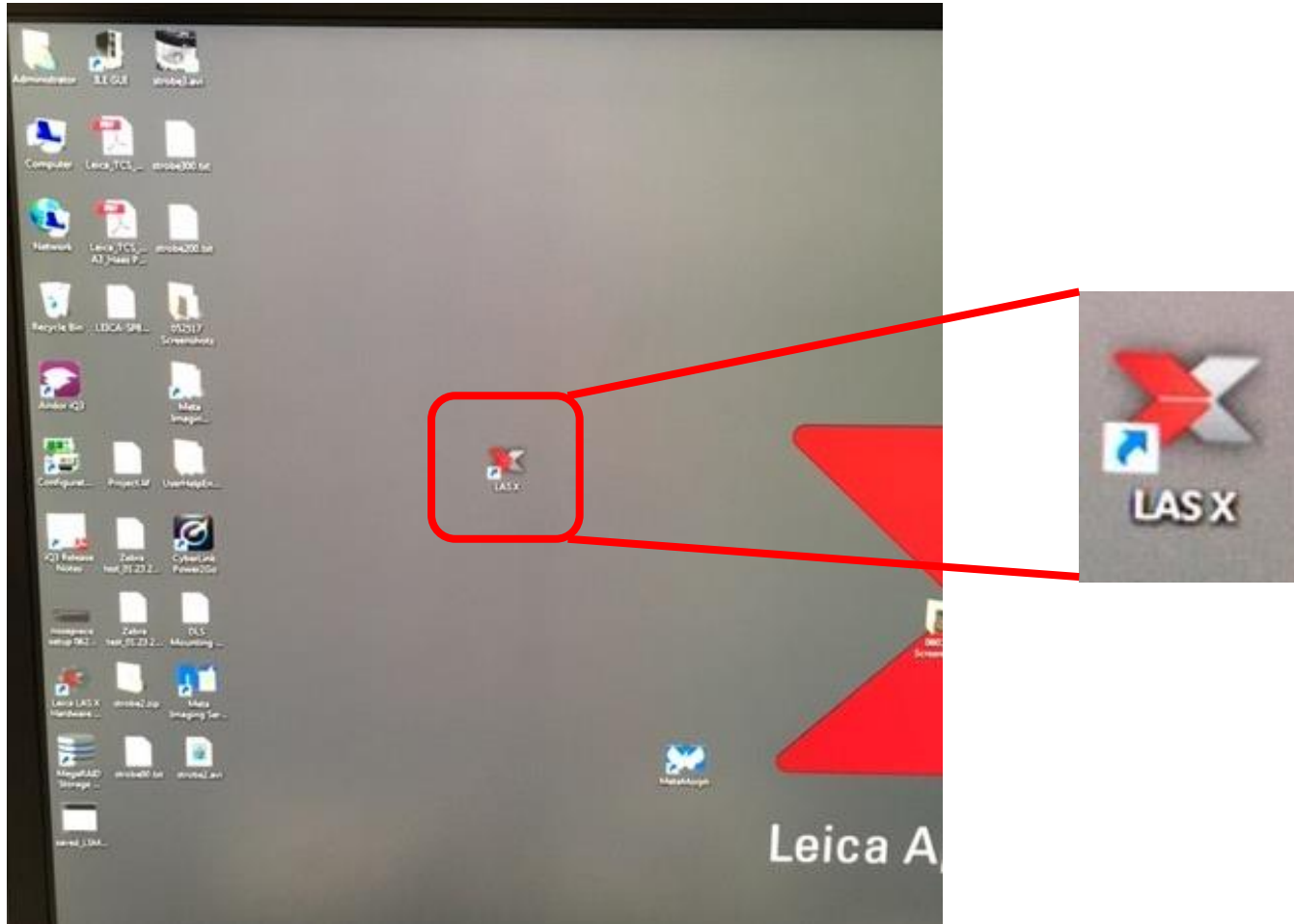
12. Check objective turret to make sure the objective is low enough and will not hit the stage when it initializes.



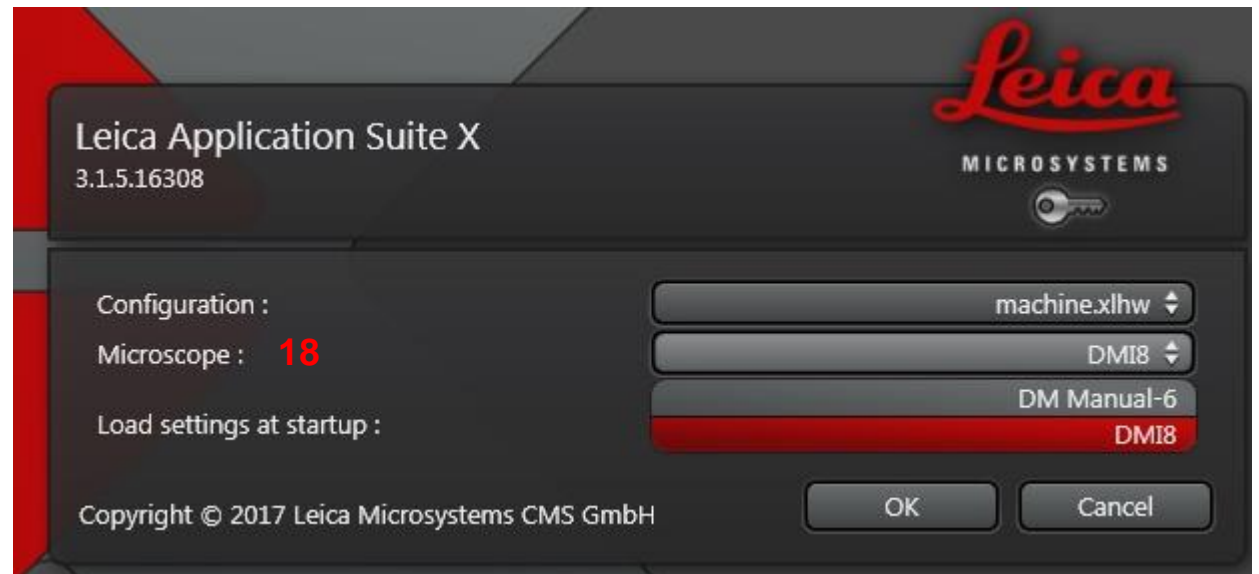
13. To Open Windows click Administrator.
14. Enter Password: **!Admin12345**.
15. Hit the return/enter key on the keyboard.



16. This is the desk top. Click on LAS X to open up the acquisition software

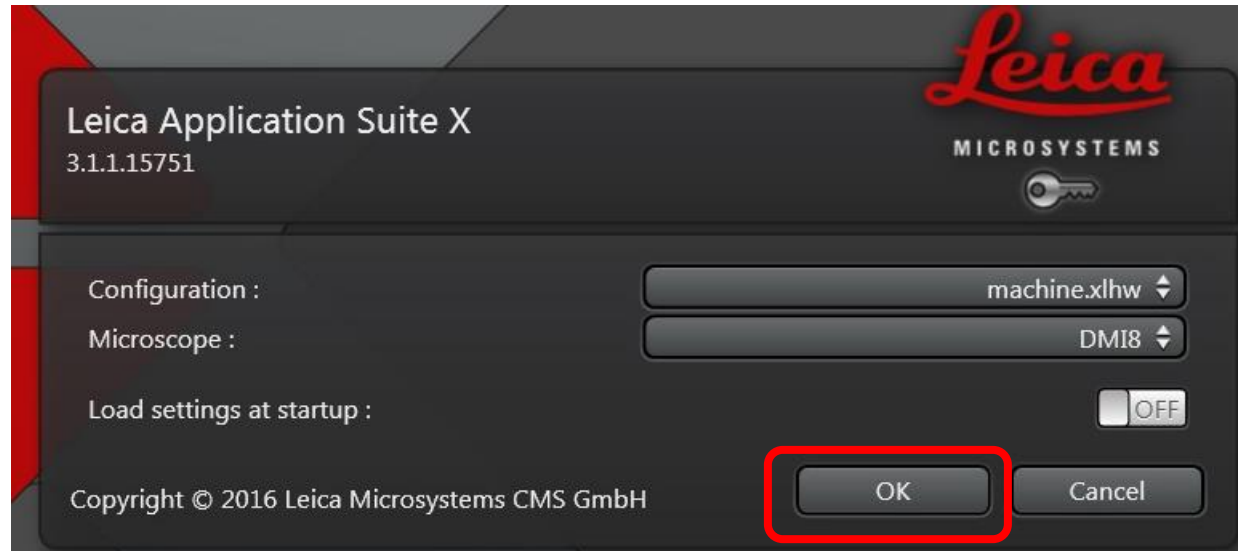


For Laser Scanning Confocal Select:
17. Configuration: machine.xlhw.
18. Microscope: DMI8.



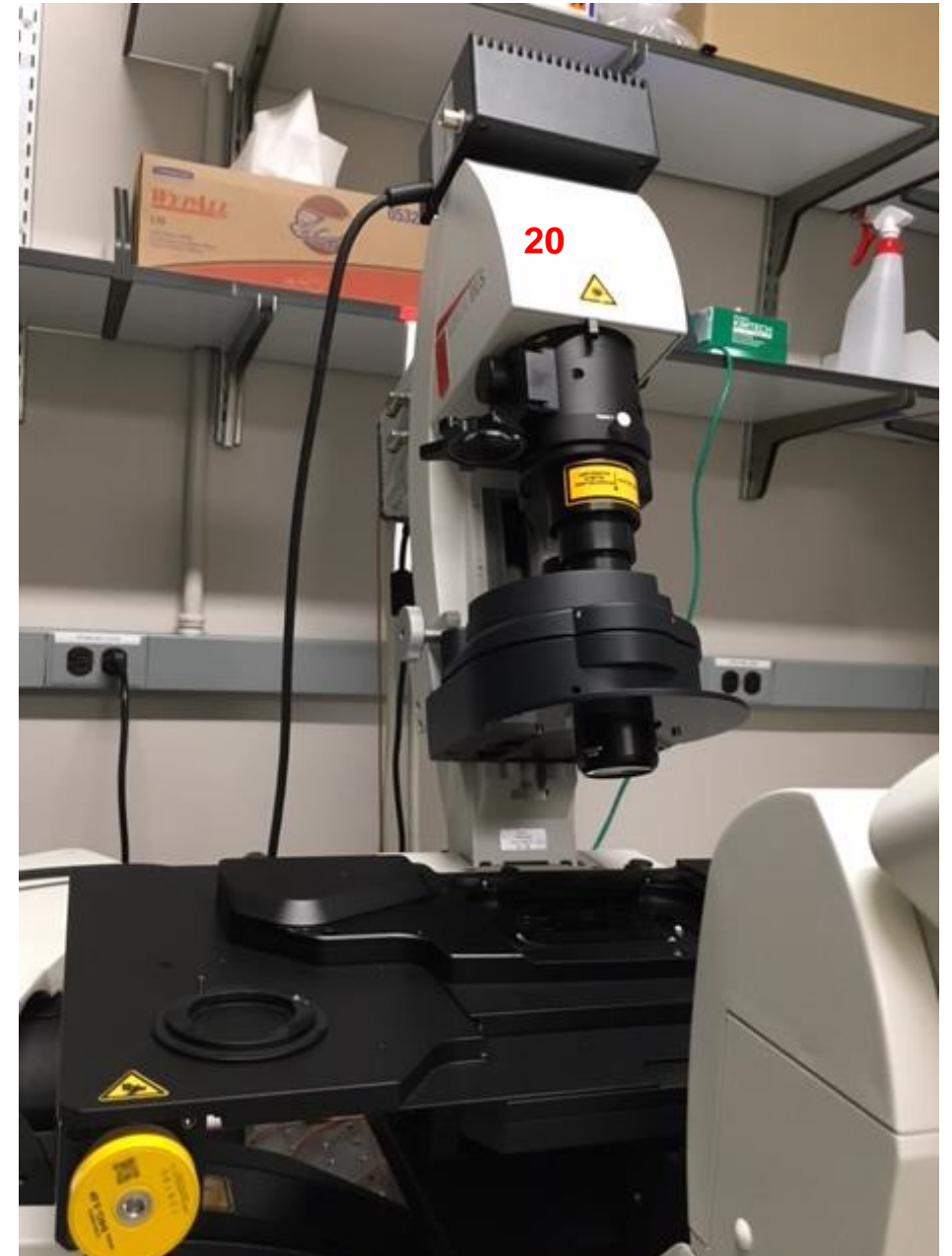
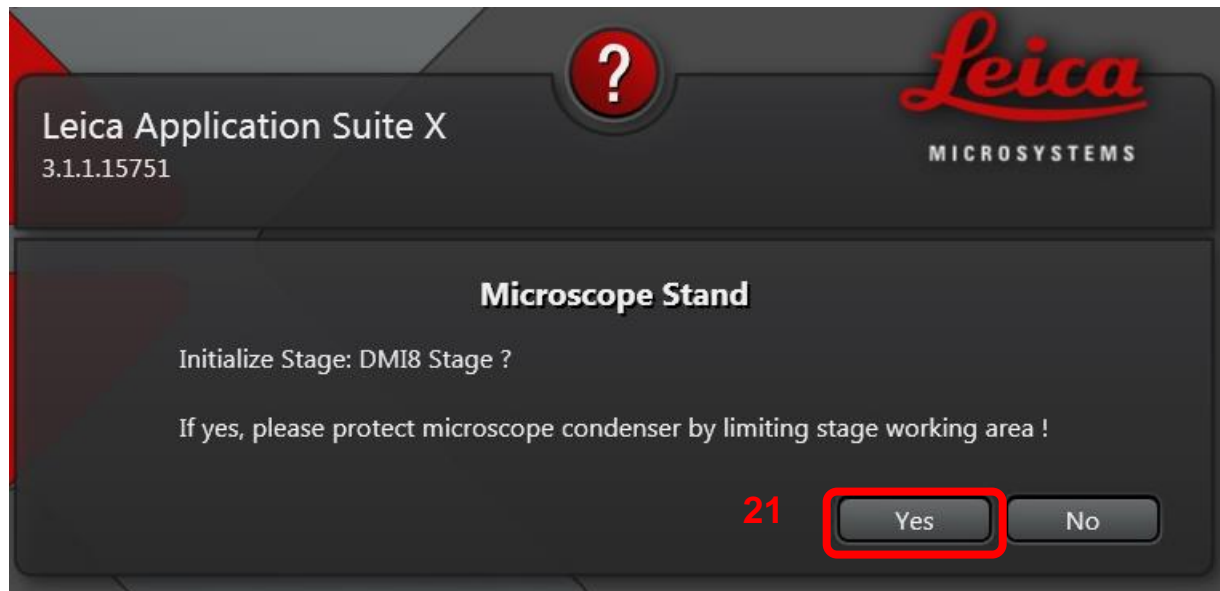
This shows the configuration and microscope settings for laser scanning confocal.

19. Click Ok.

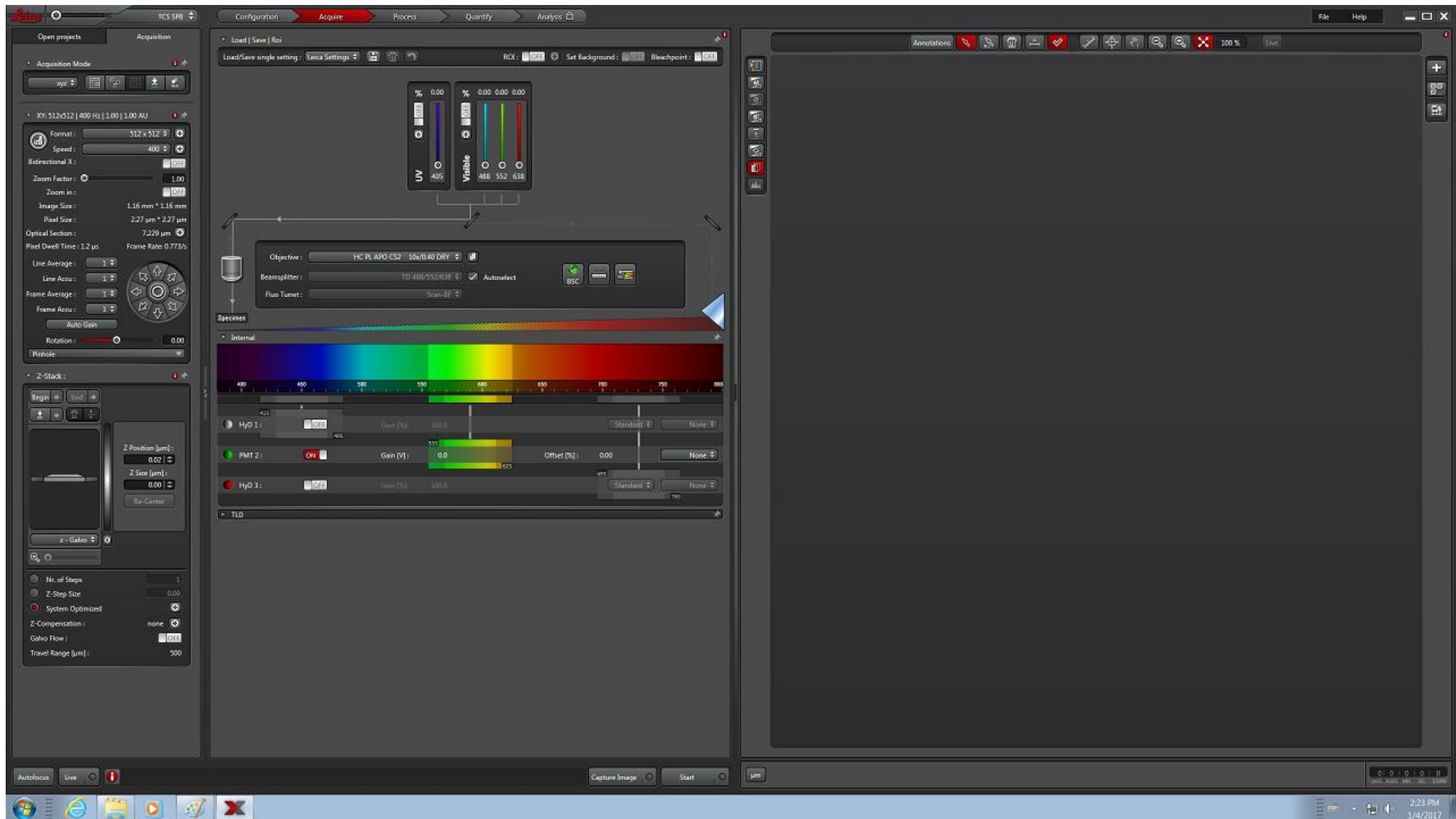


20. Tilt back condenser.
21. Click Yes.

Note: Be patient while the system boots up.

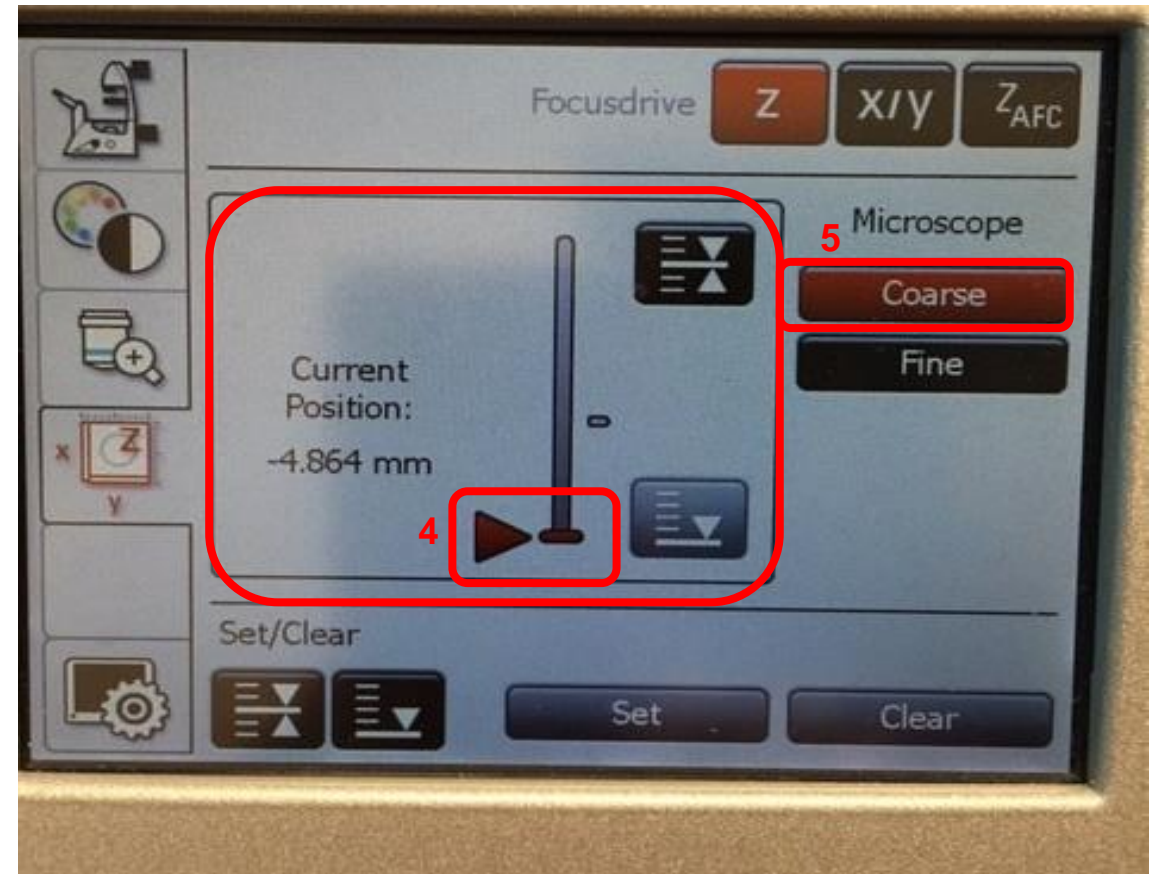


This is the acquisition work area.



Turn Off

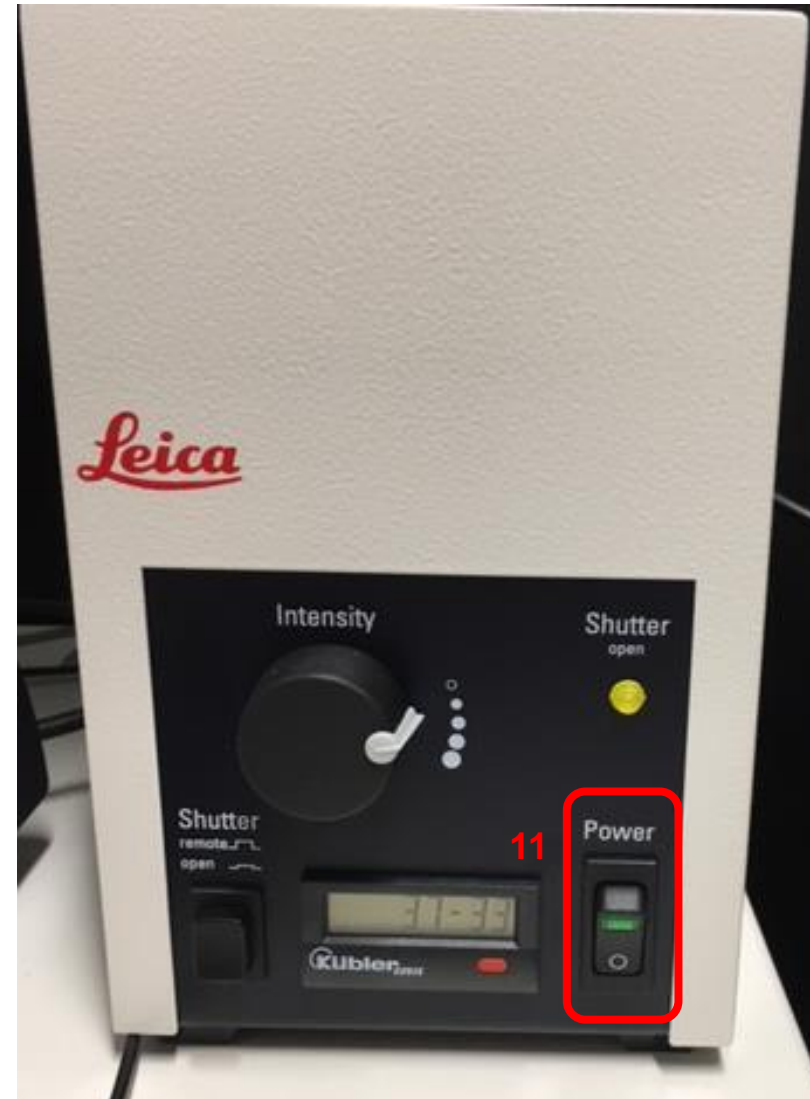
1. Remove sample from stage.
2. Clean objective.
3. On the touch screen pad select x,Z,y icon.
4. In the x,Z,y window make sure the red line in the Current Position window is all the way at the bottom.
5. If it is not at the bottom, select the Coarse button.
6. Use the coarse focus knob on the microscope to lower the red line to the bottom.



7. On touch pad, select the objective icon
8. Select lowest magnification objective. In this case 2.5x

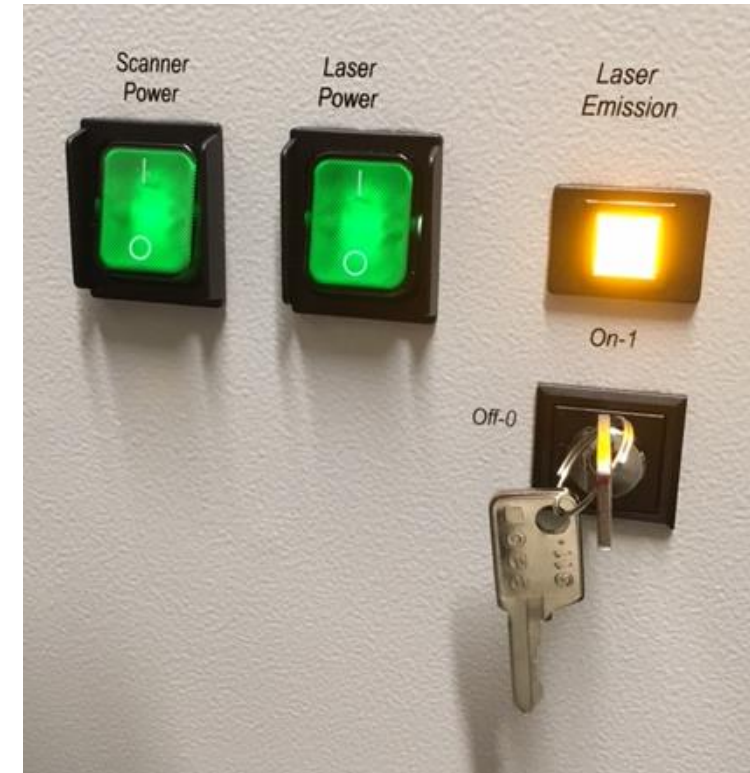


9. Move data to omalshare-1 server.
10. Turn off computer.
11. Turn off light source.



12. Turn off the scanning power unit.

The unit consists of 3 parts: Scanner Power Switch, Laser Power Switch, Laser Emission Key. Turn these on one at a time.



13. Turn off left power strip.

