

Leica TCS SP5

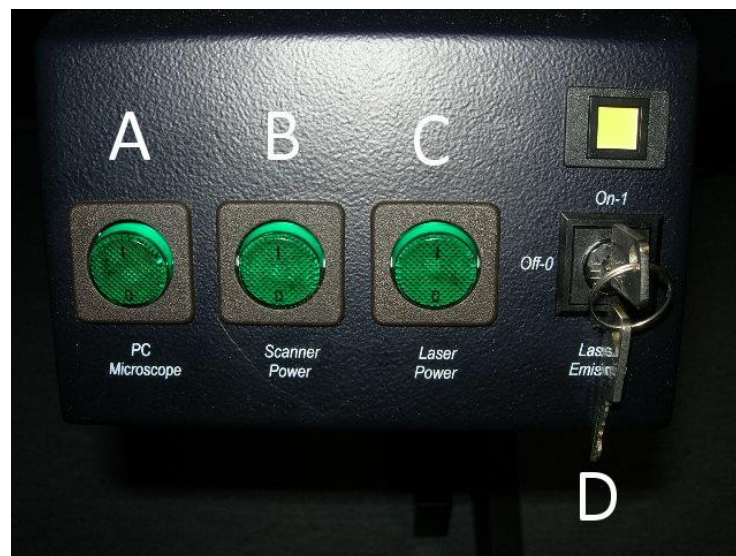
Switching ON the system

- Switch on on the mercury lamp power source (**green power button**)



The green power light and will come on.

- On the TCS Control Panel (on the right of the desk)



- ✦ Switch on the “**PC Microscope**” **green rocker switch** on the desk (A).
This activates the **PC**, the **monitors** and the **microscope controller**.
- ✦ Switch on the “**Scanner Power**” **green rocker switch** (B).
This activates the **confocal scanning head system** .
- ✦ Switch on the “**Laser Power**” **green rocker switch** (C).
This activates the laser engine.
- ✦ Turn the “**Laser Emission**” **key** (D) clockwise from OFF-0 to ON-1. The yellow light will come on.

ATTENTION:

if a laser is turned off, it is necessary to wait for **at least 15 minutes** before re-igniting!

- ✦ Log onto the Win XP system by simultaneously pressing Ctrl+Alt+Del and connect with the **Username** in the **ALEMBIC2** domain.
Your **Personal Password** is required.

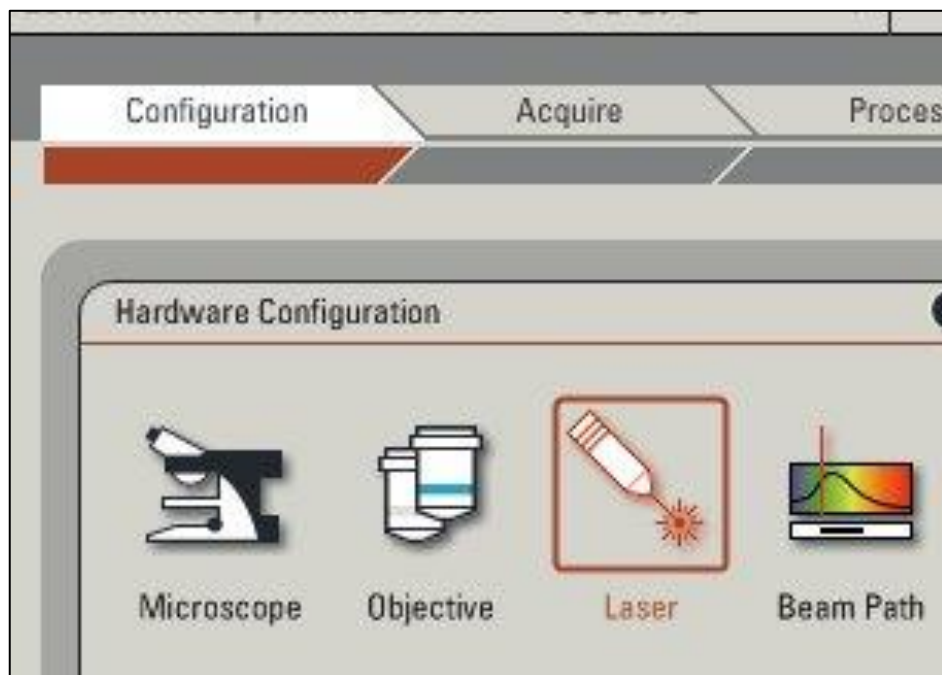


Each user should utilize a directory on disk **D:\Data** such as the following:
D:\Data\group name\

- ✦ Start the **Leica Confocal Software (LAS AF)** using the icon on the desktop.



- After Leica Confocal Software (LAS AF) initialization, select **Configuration** menu and then **Laser** icon to switching on lasers available



- Switch on all the lasers you need.

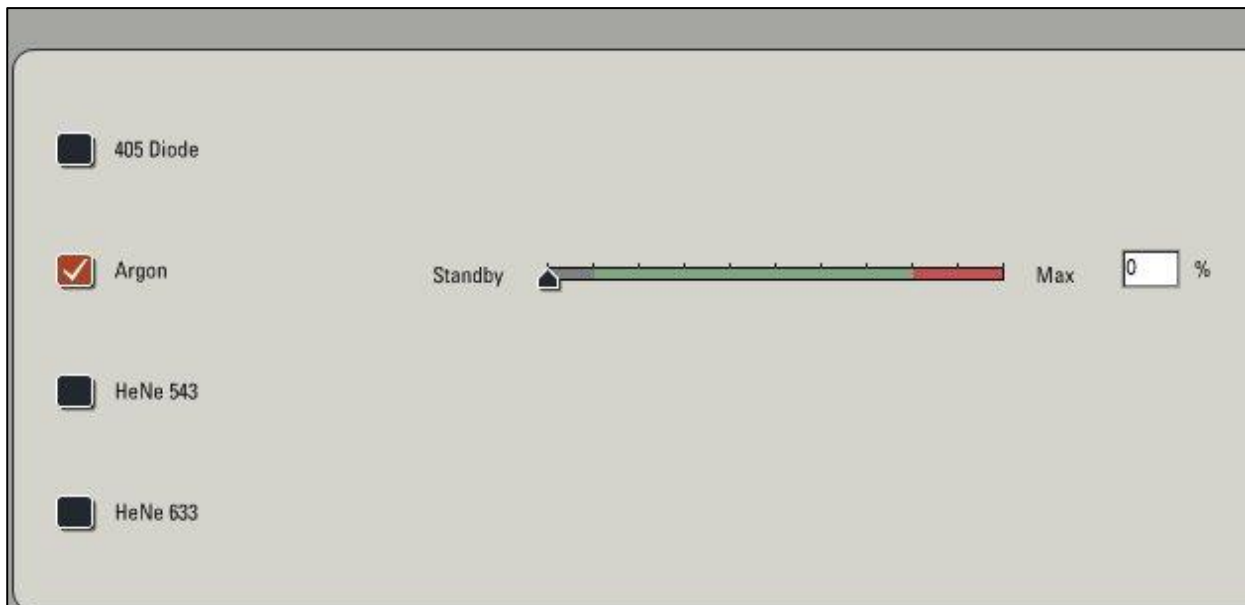
Switching OFF the system

If you are the last booked user for the day...

- Switch off the mercury lamp power source (**green power button**)

ATTENTION: when Hg lamp is turned off, it is necessary to wait for at least 30 minutes before re-igniting!

- Switch off the lasers by **Laser control** in **Configuration** menu



ATTENTION:

- remember to move laser power control to stand-by before to de-activate the Argon laser!
- it is necessary to wait for at least 30 minutes before re-igniting!

- Exit from the **Leica Confocal Software (LAS AF)**

ATTENTION:

after LAS AF shutdown wait at least 1 minute before log-ff!

- ✦ Clean and low the **objectives**.

ATTENTION:

use clean lens tissue and blot (do not wipe laterally) the lens!

- ✦ **Log-off** and close your user session.
Shut down the computer.
- ✦ The air cooling for the Argon laser is left on for about 10 minutes, then you can switch on the **“Laser Power” green rocker switch (C)** and the **“Scanner Power” green rocker switch (B)**.
- ✦ When shut down is complete (twin screens dark) switch off the **“PC Microscope” green rocker switch (A)**.
- ✦ **Cover** the microscope with the protective gray nylon dust cap.



Tips:

- When saving an experiment, **all** images and series present in the directory structure of the experiment are saved to the disk in .lif file format. Before finishing an experiment and saving the final version, it is advisable to delete unwanted images from the experiment using the right mouse button.

To avoid exhausting the available disk space, remove data as soon as possible.

You can archive your data by writing CD/DVD-ROMs or transfer it via FTP or the Microsoft network.

- The **DIBIT FileSharing server**
 - o IP: 172.17.253.30

Type in Menù: **Start -> Run** or in a **folder's address bar**:

\\srnasric01 and then then select your share space (ex. share01)

Username: hsr\lastname.firstname (*hsr mail's credentials*)

Password: owner

- **ALEMBIC server (hcs-store-srv)**
 - o IP: 172.21.51.90

Microsoft Windows Network → hcs-store-srv

or

Type in Menù: **Start -> Run** or in a **folder's address bar**:

\\hcs-store-srv

Data on the alembic server are accessible on any Microsoft, Apple and Unix systems (with ALEMBIC personal Username&Password) and will be automatically deleted after 15 days.