

Important notes for chapter 4 – LSM 710, LSM 5 LIVE, LSM 510 and ConfoCor 3

PHAdjust for FCS	The adjustment of the pinhole is slow and some noise from the servo motors occurs. Nonetheless a correct pinhole adjustment is performed.
Z coordinate in ortho view	When using the ortho view of a z stack, the displayed coordinate is 0 nm. In other views the z coordinate is correct.
Spline scan at fast speeds	When starting a spline scan at a high speed, occasionally an error message occurs. When starting at a lower speed and then increasing the speed, the error will not occur.
ROI bleaching with averaging on 5 LIVE DuoScan	When performing a ROI bleach at fast speeds and averaging active, the imaging might uncontrolled continue during the bleach event. Choosing a slower speed instead of averaging solves this.
ND4 attenuation for 405 laser with FCS	The FCS software dialogues don't recognise the additional attenuation of the 405 laser. Remind this when repeating experiments.
Objective is not changing	As a rare event the motorised objective turrets don't react to the ZEN software. After switching the objective via the TFT, the ZEN software will control the turret again.
Unmixed images don't get new name	After unmixing of a lambda stack, the new created images don't get a new name automatically. Rename the images in order to keep the original data.
Crashes with VME or MTS during long series	The visual macro editor VME and the multi time series MTS programs might crash when the data amounts generated are larger than 10 GByte. Better define 2 experiments instead of extreme long ones and stitch the data together.
TOPO display and measure	When choosing „max. intensity“ or „hight map“ in 2D display topo view, no profile line can be drawn. When activating the 3D function in display of the topo view, the profile line for measurements can be drawn.
Crashes of 16 bit lambda time series	When acquiring long time series of lambda stacks at 16 bits, the error “out of grab lines” and a crash of ZEN occurs. Reduce the data depth to e.g. 12 bit in this case.
Problems when installing Vista SP1	There are conflicts between the ZEN 2008 software and Microsoft Windows Vista SP1. Don't do updates of Vista, the version installed from the factory is already optimized to run with ZEN 2008.