


*This guide obtains just brief information. In case you need detailed instructions, read the Olympus LEXT OLS4100 Guide or the Olympus OLS4100 OEM manual.*

## OLYMPUS LEXT OLS4100

### Turning on procedure

1. **OPTIONAL:** Replace the revolver head with lenses.
2. **OPTIONAL:** Replace the stage feature.
3. Turn on the control unit and the CLSM computer.
4. Start the OLS4100 software with the  icon. Log in as Guest, no password needed.
5. **Make sure that the stage and the revolver head are safe to move in all directions (x, y and z) with no risk of collision!** Then confirm the prompts.
6. The instrument is ready for use.

### Collecting images

1. Select the lens with the lowest magnification.
2. Switch the microscope to Live view.
3. Place your sample on the stage.
4. Bring the head down into rough focus using the black knobs on the side.  
**Unlock first, lock again when finished. Do not let your hand off the knob; the head would slide down due to its own gravity.**
5. Select the spot of interest.  
**OPTIONAL:** Select different lens. Available magnifications are 2.5x, 5x, 10x, 20x, 50x, 100x (Revolver 1) and 10x, 20x, 50x, 100x (Revolver 2). **Beware the risk of crashing the lenses with the sample/stage.**
6. Choose the Acquisition mode and click "Acquire" to collect an image.
7. Save and Export your images.

### Turning off procedure

1. Select the lenses with the lowest magnification.
2. Manually raise the head.  
**Unlock first, lock again when finished. Do not let your hand off the knob; the head would slide down due to its own gravity.**
3. Turn off the software, then the computer.
4. Turn off the control unit.
5. If you have replaced the revolver head, please reinstall the Revolver 2 into position.