

From Eye to Insight



# LAS X for Confocal Systems

## Release Notes LAS X 3.5.5

## **Release documentation for LAS X 3.5.5**

This document describes the 3.5.5 release of the Leica Application Suite X imaging and analysis software for advanced live cell research. You should read this document before installing a copy of this software.

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Contents

- Technical Requirements and Installation.....4
  - 1.1 Operating System .....4
  - 1.2 Compatibility with LAS AF 2.x and LAS AF 4.x .....4
- 2. New Features.....5
- 3. Fixed Bugs/Solved Issues.....5
- 4. Recommendations.....5
- 5. Open Issues/Restrictions .....5
- 6. Compatible 3<sup>rd</sup> party software .....5

## **Technical Requirements and Installation**

### **1.1 Operating System**

LAS X 3.5.5 is a genuine 64-bit program and runs on Windows 7 64-bit and on Windows 10 64-bit.

### **1.2 Compatibility with LAS AF 2.x and LAS AF 4.x**

All LAS AF 3 and LAS AF 4 versions can be upgraded to LAS X 3.5.5. LAS X 3.5.5 and LAS AF 2.x cannot be installed on the same computer, unless it is configured with a dual boot option. Before installation of LAS X 3.5.5 on an offline workstation running LAS AF 2.x, it is necessary to uninstall LAS AF 2.x.

LAS X 3.5.5 does not accept the LAS AF 2.x license dongle and vice versa. LAS X 3.5.5 does accept the LAS AF 3.x and LAS AF 4.x license dongles. Please make sure that the correct dongle is inserted in the workstation. LAS X dongles are engraved with a Leica logo and have a shiny grey surface to distinguish them from LAS AF 2.x dongles (silver plastic).

LAS X 3.5.5 can read and process files generated with LAS AF 2.x, LAS AF 3.x and LAS AF 4.x versions. LAS AF 2.x versions however cannot read data acquired with LAS AF 3, LAS AF4 or LAS X 1.1.0 or higher software versions.

## 2. New Features

- LAS X 3.5.5 now supports Windows 10 operating systems for Leica SPE
- Support of blocking filters in the 4Tune filter wheel
- 3D and tile scan viewer implementation in SP8 FALCON
- Direct export of FLIM data into .tiff file format
- New functionality 'Fast' and 'Precise' fit for FLIM images
- LAS X 3.5.5 now supports Tokai Hit STX for confocal systems

## 3. Fixed Bugs/Solved Issues

- Issue fixed that caused intensity losses in image sections when applying LIGHTNING
- Issue fixed that ignored the focus map in the navigator
- Issue fixed where the camera driver was not installed correctly

## 4. Recommendations

**For an optimal performance of the systems regarding data handling we strongly recommend the installation of / upgrade to LAS X 3.5.5!**

## 5. Open Issues/Restrictions

- Depending on certain configurations (Windows 10 + specific BIOS version), the start of the installation may be delayed by several minutes
- Trial licenses for **FALCON** and **FCS** offline require a manual license request
- LAS X 3.5.5 **is not released** for SMD on Windows 10 operating systems

## 6. Compatible 3<sup>rd</sup> party software

LAS X 3.5.5 supports the following latest 3<sup>rd</sup> party software packages:

- SVI: Huygens Suite 17.04.1p1
- PicoQuant: SymPhoTime 2.3 build 4724 (SMD)