



Studio Software Update 2012.05.30 – Release Notes

Previous Studio Release: 2011.09.27/2012.01.17

Update Priority: Important

Summary:

Akrometrix Studio 2012.05.30 is categorized as 'Important' and required for optimal Akrometrix Customer Service support. As usual, all included Studio applications have been validated for compatibility with previously created Akrometrix Studio file formats.

Important bug fixes and added features are listed below. This list does not include all resolved bugs. Additionally, some known open issues are listed, with work-arounds where applicable.

Update Procedure:

Install all applications for Studio 2012.05.30 by launching the provided file "Akrometrix Studio 2012.05.30 Installer.exe". Uninstalling older Studio applications is not required prior to launching this file, as this will be done automatically. A computer restart should not be required.

Key Feature Changes or Additions:

Windows 7 Integration:

All Akrometrix Studio software releasing with Studio 2012.05.30 is fully compatible and has been validated for functionality on the Windows 7 operating system. Studio 2012.05.30 is also fully compatible and has been validated for functionality on the Windows XP operating system. Customers running Windows XP on either equipment computers or offline should also update to the Studio 2012.05.30 version.

Interface Analysis Support:

New Metadata fields have been added to ".akx_phase" and ".akx_disp" file types to support newly releasing software from Akrometrix called **Interface Analysis**. The Metadata fields define part orientation and measured part side through the fields "Pin1Location" and "MeasuredSide" respectively. These Metadata fields will be automatically populated by settings chosen by the user that have been added to Surface Measurement and Thermal Profiler. The Metadata can also be overwritten through a new tab, "Edit XY Orientation", in the Batch Processing interface of Surface Analysis.

Surface Analysis

- Added additional colors for all chord plots. Now 8 chords with 8 different colors can be plotted on the same graph.

Key Bug Fixes:

Surface Measurement:

- Phase images and Displacement images loaded directly from Surface Measurement into Surface Analysis can now be correctly smoothed, saved, and otherwise edited without producing error messages.

Surface Analysis:

- In the Batch Processing window, "Edit" settings options are now properly grayed out when the "Analyze" tab is not selected, as these options only apply to the "Analyze" tab.
- Spherical data fits applied to 3D surface plots are now correctly labeled with "Spherical Surface Fit".

Known Issues (these bugs were not resolved in time for this release):

- The live camera image can shift periodically, though rarely, when using the Windows XP operating system. This camera shifting error is resolved when using the Windows 7 operating system. However, using Surface Measurement in Windows 7 has a different error where the bottom two rows of pixels in the camera window are noisy and should not be used in the data set.
- Search areas saved in the "akx_track" file may show very slight size and position changes when reloaded.

Surface Analysis (with MP10 only):

- When MP10 images are rotated they will produce erroneous surface data. Because of this error, rotation of single images has remained disabled in the software. However, Batch Rotation of MP10 phase images remains possible



when it should not be. For now, orientation of MP10 images should only be changed visually in surface plots when desired. This problem is also present in previous releases.

Versions (listed for reference):

- SurfaceMeasurement 6.2.4.2
- SurfaceAnalysis 6.1.3.2
- ProfileGenerator 6.1.3.2
- FileConverter 6.1.3.2
- StudioManager 6.1.3.2
- LicenseUtility 6.1.1.2