

SpinFire Ultimate 11.2.0 Release Notes

Overview

SpinFire Ultimate 11.2 contains additional features found in 10.0 that were not included in 11.0 along with a number of bug fixes.

SpinFire Ultimate will contain all the features of SpinFire 10.0 but in a phased release approach.

Added Features

- Model Compare
- Draft Angle Analysis
- Offset Sectioning (stepped sectioning)
- 3D Mouse support
- Two Edge Intersection Point measurement
- 2D Stamps
- Camera rotation undo/redo
- Color change undo/redo
- Section Profile (formerly known as X Section Plus)
- 3D Auto-Spinning

Improved Features

- More automated method of selecting surfaces of a void.
- Improved performance loading 2D AutoCAD files.
- Improved scaling for CGM files.
- Improved handling long paths and file names.
- Implement keyboard navigation on the Assembly tree.
- Convert models to more file types (3D PDF, ACIS, HSF, IGES, JT, Parasolid, PRC, STEP, STL, U3D and VRML).
- Allow selection of tube axis points and edges for subsequent markup.
- Allow user to select 'Apply to all' option when multiple files are missing on load.
- Add option to bypass all missing parts when importing sub-assemblies.
- Show native CAD thumbnails in the Library.
- Added CAD file header information option for Catia and SolidWorks files in the Library.
- Add a new connection from folder search results in the Library.
- Missing ability to drag-and-drop two or more files in the Library
- Allow user to start conversion from the Library.
- Support for direct opening of EMF files.
- Import multiple document files.
- Support of templates to export data from Parts List to an Excel file.
- Focus on Plane.
- Move the application toolbar from the right side of title bar to the left.
- Starting SpinFire Ultimate-Reader with a command line parameter (-r).
- Reflective and metallic render modes retain colors.
- Email sends ACT3D file format.
- Improved color palette support.
- Allow user to select 'Apply to all' option when multiple files are missing on load.
- Add option to bypass all missing parts when importing sub-assemblies.
- Change the About dialog to make the build number more obvious to end users.
- New Culling and Depth Peeling settings to the Workspace settings.
- Additional colors for out-of-range faces in Draft Angle Analysis.
- Import of multiple document files.

Supported Environments

Client Environment	Minimum	Recommended	Optimum
Operating System	Windows 7 (64-bit) Windows 7 (32-bit) Windows 8 (64-bit) Windows 8 (32-bit) Windows 10 (64-bit) Windows Server 2008 R2 (64-bit) Windows Server 2012	Windows 8 (64-bit) Windows 7 (64-bit)	Windows 8 (64-bit)
OS Language Supported	English (US) German French Italian Spanish Portuguese Czech Japanese Chinese (simplified) Chinese (traditional) Korean	English (US) German	English (US) German
CPU /Processor	Intel i3 4 Core 4 GHz (or equivalent)	Intel i5 4 Core 4 GHz (or equivalent)	Intel i7 8 Core 4 GHz (or equivalent)
Memory	4 GB	8 GB	16 GB
Graphics	DirectX 11 capable graphics card, 1GB VRAM	DirectX 11 capable graphics card, 2GB VRAM	DirectX 11 capable graphics card, 3GB VRAM

Prerequisite Installations

- Microsoft .NET Framework 4.5
<https://www.microsoft.com/en-us/download/details.aspx?id=30653> (Note - Already included in Windows 8)

- Allow activation from the installation program.
- Ability to reset translations to default in the translation editor.

Bug Fixes

• Assembly Tree

- Extra nodes in the assembly tree need to be clean up/removed.
- SolidWorks importing with too many sub-assembly levels.
- Impossible to select surface using assembly tree for Minimum Distance Between Two Surfaces measurement.
- Assembly tree items and title is not translated dynamically after changing the language option.
- The entire assembly becomes visible after deleting a mark up.
- Assembly tree in parts list contains empty assembly items when parts list was opened after import sub-assemblies.
- Chinese symbols are displayed incorrectly in assembly properties.
- Spaces are missing in assembly tree context menu.
- Unexpected item is selected in assembly tree with END button in specific case.
- Assembly tree disappears from parts list when hide assembly and reopen the dialog.
- Check marks are flashing while sub-assemblies are reloaded.

• CAD Filters

- Impossible to use filters without CAD views.
- Label "Filters" in context menu for CAD views disappears when change the theme to dark.
- Label color is not changed to white after selection in Filter dialog.
- Filters are not applied if Filters dialog was opened for not selected CAD view.
- Spaces are missing for layers list in Filters dialog.

• Color Dialog

- Import and export of color palettes don't support long path (>260 symbols).
- Colors are missing when changing render modes on parts from Hidden Lines Removed.
- Color Palettes dialog crashes after removing all color palettes.
- Scroll is displayed in Color dialog in modern theme.
- Impossible to remove color in new palette in Color Palettes dialog.
- Custom color palettes aren't saved after the application is closed.

• Conversion

- Red fill is missed for failed status of conversion.
- Original file is opened by double click on it's name in conversion list instead converted.
- Add file filter to converter's open file dialog.
- Conversion process does not stop when SpinFire was closed after conversion is failed.
- Error message is displayed if conversion process tries to overwrite existing file which is blocked.
- Converter process isn't ended in task manager when remove item from conversion list while conversion is in progress.
- Convert button is enabled when no file type is checked.
- Conversion dialog is closed when press NO button in confirmation dialog.
- Add support of very long paths and file names to convert.

- Incorrect message in confirmation dialog for converter.
- Item is deleted from conversion list when close confirmation dialog using cross button.
- Impossible to convert model with annotation to 3D PDF.
- Incorrect indexes appear in conversion list.
- **Coordinate Systems**
 - Activate coordinate system with double-click.
 - Dialog stretches when input big name for new coordinate system.
 - Coordinate system icon is blackout in markup label.
 - Creating new coordinate system leaves ghost circle.
- **Exploded Assembly**
 - Incorrect distance changing when Exploded Assembly option is applied.
 - Select button isn't pressed by default for select part option in Exploded Assembly.
 - Parts are not highlighted after explode.
- **Export**
 - Document crashes when export to 3D PDF was started.
 - 3D PDF Export is not correct.
 - Impossible to export file when file is exported to long network path.
 - Confirmation is duplicated for export file dialog in any file type.
 - Export to Image or Hard Copy creates very large files.
- **Import**
 - Implement importing user views from ACT3D files.
 - Proceed" button isn't disabled when all Actions are set as None in Import Files dialog.
 - Import in 2D model does not work.
 - Spaces are missing in Import Files dialog when there are lots of files in list.
 - Horizontal scroll bar is displayed for import files dialog when the theme of application is classic.
 - Nothing happens when drag-and-drop document from explorer to viewer where 2D document is active.
 - Failed to import AutoCAD files with import option from file application menu.
- **Library**
 - Key in alphanumeric to go to corresponding folder in the Library.
 - File list isn't displayed after selecting folder in the Library with keyboard.
 - Incorrect sorting of File list in the Library.
 - Error occurs when trying to drag-and-drop files to a parent folder in the Library.
 - Impossible to deselect files with CTRL+Left-Mouse-Button combination in the Library files list.
 - Scroll isn't focused on found item in the Library.
 - Missing support of long network file path in the Library for folder tree.
 - Cannot drag-and-drop file to folder with long network folder path in the Library.
 - Application crashes when toggle to tiles display in the Library for folder with long path.
 - Library Tab is opened after pressing NO in confirmation dialog related to conversion.
 - Selection isn't cleared in the Library files list after scrolling and re-selection.
 - Document is opened with double click from Library when CTRL or SHIFT keyboard button is pressed.
 - Files are not displayed for network connection with long file path.
- **Markups**

- Missing vertical scroll bar for description and comment fields for markups.
- Markups load incorrectly.
- Mark ups are not associated with created user views if a user view is first saved without any.
- View is reset after deleting a markup.
- Possible to add a markup to user view several times in specific case.
- Add context menu item to draw edge lines in intersection point markup.
- Possible to incorrectly display hidden markup geometry.
- **Measurements**
 - **2D Measurements**
 - 2D Boundary Center by Edges measurement allows user to select the same edge twice.
 - Incorrect option name in context menu for Boundary Area by Edges measurement for 2D model.
 - Unexpected calculation of Boundary Area by Points measurement for 2D model in specific case.
 - 2D document crashes after adding a markup.
 - **3D Measurements**
 - No longer able to select axis center point for dimensioning.
 - Thickness measurement results appear incorrect.
 - Infinity calculations on non flat surfaces for axis-aligned bounding box.
 - Bounding box of selected surfaces does not work.
 - Bounding box color should be defaulted to grey, not white, as in 10.8.
 - Minimum bounding box doesn't work on a surface.
 - Boundary Center by Edges measurement starts to work incorrectly after several uses.
 - Varying angle measurements based on function used.
 - Deleted bounding box reappears when creating a new user view.
 - Axis aligned bounding box for a surface is not working.
 - Boundary Volume by Area dialog crashes on selection.
 - Boundary Volume by Area dialog Crashes on calculate.
 - Stop selection button for blocking surfaces does not function in the Boundary Volume by Surfaces dialog.
 - Make Boundary Volume by Surfaces (voids) work for holes with planar regions.
 - Boundary Volume by Surfaces (voids) display problem.
 - Midpoint text is not visible.
 - Unable to select edges under Boundary Center by Edges and Sum of Connected Edges.
 - AutoNote does not take into account parts that have been moved (transformed).
 - Incorrect measuring of Tube Length for arcs (circles) located in the same plane.
 - Calculate surface area in a user defined view.
- **Misc.**
 - SpinFire Ultimate install issue on Windows 7 32-Bit.
 - SpinFire crashes after Save As with long path or file name for Event Log.
 - Import and export of Materials don't support long path (>260 symbols).

- Symbol '~' replaces part of path for Print Preview option when path to template is long (>260 symbols).
 - Keep Viewer Aspect Ratio option doesn't consider model proportions.
 - Incorrect view by plane after part was transformed.
 - Profile color option does not work.
 - Drag-and-drop into the same document is missing.
 - File isn't opened after drag-and-drop file from explorer to SpinFire viewer.
 - Incorrect keyboard navigation in the viewer with arrow buttons.
 - Transparent part is not transparent when is changed transparency of neighboring part.
 - View is not applied to model after selection with keyboard.
 - Templates Editor crashes in specific case.
 - Transparency is not applied to scene dynamically.
 - SpinFire crashes when changing Page Type.
 - Window commands menu stops working for SpinFire after the menu was used for another dialog.
 - Columns are not saved in Parts List.
 - Focus on Plane is tied to YZ axis.
- **Opening .3D Files**
 - .3D files with 2D circles and ellipses show up blank.
 - .3D file with polygonal shapes rendered poorly.
 - .3D file with curve-cornered rectangle renders poorly.
 - .3D file with different 2D line strokes renders poorly.
 - SpinFire 10.9 .3D file fails to open.
 - 2D .3D read failure for CGM/TIFF files converted from SpinFire 8.
 - SpinFire Ultimate has an issue opening converted Old .3D files converted to SpinFire 10 .3D files.
 - SpinFire 10 markup text colors are importing as Transparent in SpinFire Ultimate.
 - Imported 3D models from multi-document files do not appear in the graphics area after reloading a saved ACT3D file.
 - .3D file converted from SpinFire 8 to SpinFire 10 fails to open.
 - Import .3D file is missing.
 - Cannot open .3D model saved by long path (>260).
 - Impossible to open .3D file where Impact font is applied to a markup.
 - Old .3D file causes "Object reference not set" error.
 - Centro 6 created .3D files with no color background always black.
 - Back color for model item imported from SpinFire 10 is not applied in SpinFire Ultimate.
 - Render mode imported from SpinFire 10 is not applied in SpinFire Ultimate.
 - Back color from SpinFire 10 isn't loaded correctly for startup view in SpinFire Ultimate.
 - Support Tube Length bend center points for SpinFire 10 files.
 - **Opening ACT3D files**
 - Cannot open .ACT3D with imported files.
 - **Opening CAD ***
 - Taking way too long to open a small assembly.
 - More than one search path is not possible in Importer options.
 - Allow user to select 'Apply to all' option when multiple files are missing on load.
 - **AutoCAD**
 - Notification is missing after exporting section cut geometry as a DXF file.
 - Section "Export to DXF" must transform to the Z plane.
 - AutoDesk DWF takes a really long time to load.
 - 14Mb DWG file takes a very long time to load.

- Large DWG file takes a very long time to load.
 - Poor view of DWG extents and tabs.
 - Improve the way to determine if a model layout in an AutoCAD file should be drawn in 2D or 3D.
 - Update normal calculations for AutoCAD models.
 - Add support of color palette to Profile Edges Color and Profile Faces Color in section settings.
 - Add support of color palette to Background Color for Export 3D PDF.
 - Support raster images in AutoCAD files.
- **CATIA**
 - CATIA V5 - Imported PMI data and section cuts not being assigned to the imported views correctly.
 - Unexpected rectangle element in CATIA drawing.
 - Vertically listed text is not underlined and surround by "<u>".
- **CGM**
 - CGM file is not displayed correctly.
- **NX**
 - NX is missing wire frames.
 - NX - Imported PMI data and section cuts not being assigned to the imported views correctly.
 - There is extra geometry appearing in NX 2D files.
 - Missing lines on NX 2D file.
- **STEP**
 - STEP AP242 with GDT (PMI) support.
 - STEP file takes a very long time to load.
- **Sectioning**
 - Section cut incorrect after turning cut material off and back on.
 - Incorrect view by plane after part was transformed.
 - Section planes appear after switching to default view.
 - Sectioning part colors are missing.
 - Section planes do not appear after partial loading an assembly.
 - Cross-section view not updated correctly after layout change.
 - Multi-plane section cut geometry is not selectable.
 - Switching into cross-section View is turning off section plane.
 - Cross section dynamic update is missing.
 - The grid appears in part of the cross-section view, sometimes.
 - 3D files don't appear with sectioning when a starting user view has sectioning on.
 - Snap radius seems too big on section cut.
 - Section profile color during dynamic move is different.
 - Transparent parts behind section plane are not visible.
 - Cross section view is incorrect with multiple views enabled.
 - Move section does not work after doing a zoom or pan.
 - Dynamic move of section without section plane.
 - Profile face color isn't applied dynamically to section.
 - Crash when using section with load only assembly tree.
 - Cutting section area markup missing some capping geometry.
- **Translations**
 - Tool-tip is cut in Translations dialog.

- Convert button for ACT3D options in Converter dialog overlaps with reset to default button when language is Deutsch.
 - Converting status name is cropped for Deutsch language.
 - SpinFire crashes when try to Save model if Application language is German.
 - Import of Translation does not work when imported file is located on long file path.
 - Translate suffixes for shattered files.
 - SpinFire crashes after Export file with long path or file name for Translations Editor.
 - Accent option is not translated dynamically after changing Language option.
 - Translation is missing for table font style in templates editor.
 - Part of assembly context menu is not translated dynamically after language was changed.
 - None isn't translated in selected color palette dynamically after language was changed.
 - Exception occurs when add place holder for non-existent variable in translations editor.
 - Viewer context menu is not translated dynamically after language was changed.
 - Changes in the translation editor are lost after switching languages.
 - Translations required for installation activation dialog and responses.
 - SpinFire crashes when work with dialog where separator "!" was deleted from translation by user.
 - SpinFire crashes when open dialog window with translation which contains double '{' symbol.
 - Localization is missing for exported tube data file.
 - The license file text does not change to the correct language.
- UI
 - Rename "Look" menu items to "Focus".
 - Importer options cancel button is cut off.
 - Check markers are reversed in classic theme on Windows 8.
 - There is a line under the 3D toolbar that doesn't redraw/update.
 - Conversion panel could overlap the Library toolbar.
 - Zooming too far in breaks 'Axis Triad' and 'Navigation Cube'.
 - Tool-tip is not changed for hide/show explorer button.
 - Document Explorer "Name" column auto re-sizes to first level icons and not to the item labels.
 - Displaying of re-size cursor for windows with fixed size.
 - Impossible to work with SpinFire after all options dialog was collapsed.
 - Change server parameters dialog window opens as separate window.
 - Scroll does not follow actions in Transform dialog handles tab.
 - Impossible to close error message in specific case.
 - Default selected button isn't changed in message box.
 - Asterisk is not displayed after color and render mode was changed.
 - Focus is lost after opening dialog windows with keyboard.
 - Save, E-mail and Help commands are not focused with keyboard.
 - Part properties dialog not showing all the lines.
 - Double confirmation dialog appears when is saved TXT file with existing name in parts list.
 - The build number incorrectly appears as 0000 when SpinFire Ultimate does not have an active license.
 - Border selection is available when mouse cursor on scroll bar.

- Error message is displayed when opening document which contains two (or more) models with equal names.
- Opened document does not become active in specific case.
- Incorrect file path is displayed for files with long file path on Home page and tooltips.
- Tab is stretched a lot when file has long file name.
- Focus on PMI annotation and annotation plane.
- Style is missing for window commands menu in modern theme.
- Line artifacts when changing views.
- Error message contains YES/NO buttons instead OK.
- Multi-selection in viewer works incorrectly.
- Warning message is missing in About window when theme of app is modern light.
- Shadow is not disappeared after drag&drop model tabs in specific case.
- Properties window could be decreased a lot.
- Incorrect color of text in parts list.
- Focus is returned incorrectly.
- Impossible to un-check documents from the list in add workspace document.
- OK button is not disabled when all models are not checked in Add Workspace Documents dialog.
- Graphics rendering is missing pieces of the file when in zoom fit.
- Gradient background is not stretched under application menu.
- Improve tool-tips on new rendering settings.

Installation

SpinFire Ultimate 11.2 can be installed side-by-side with previous versions of SpinFire, such as the 10.x release.

Upgrading from 11.0.0 to 11.2.0

To upgrade SpinFire Ultimate from 11.0 or 11.1 to 11.2:

1. Launch and run the SpinFire.x64.msi (or the SpinFire.x64.exe) and follow the installation wizard instructions.

or

2. Select **Check for Updates** from the **Help** menu if you have an Internet connection and are upgrading from 11.1.

Known Issues

See [SpinFire Ultimate Known Issues](#)