



# HighDesign 1.8 Release Notes

## New Features and Improvements

### Dimensions and Annotations

- A Dimension object can now have its own units and rounding. Dimension units can be any of the available systems or match the document units.
- Added new arrow head types and reorganized the menu.
- The size of arrowheads can be set to custom values in the current units (mm, inches or pixels).
- Extension lines now provide two new properties, Witness Gap and Arrow Gap, which control respectively the size of the gap between the measured object and the extension line and the length of the line that extends beyond the arrow.
- Added a new Label Offset property that controls the distance of the label from the witness line.
- The Label Frame option adds the ability to enclose the text label in a rectangular, opaque frame.
- Label alignment (aligned or horizontal) is now an object-specific property.
- The label of radial dimensions now honors the Label Position property.
- Leader labels can be entered and edited directly on screen, without an input dialog or having to open the Properties dialog.
- Editing a linear dimension now realigns the label to the center.

### Compatibility

- (Pro) Added support for the DWG™ file format from version R9 to 2008.
- (Pro) Added support for the DXB file format from version R9 to 2008.
- DXF import: added support for LEADER entities.
- DXF import: added support for VIEWPORT entities.
- DXF Import: improved the translation of layer properties.
- DXF: Improved handling of files created by ProEngineer.

- DXF import: improved handling of paper space objects.
- DXF: all export options, including the target version, are now grouped in one DXF Export dialog.
- (Pro) Added a new Export Tiff dialog providing compression, resolution, bit order and metadata options.
- (Std) Exported Tiff images now are always compressed.

## Drawing and Editing

- Added a new Stretch tool.
- (Pro) Styles: a Style is a set of properties that can be activated and applied to objects with one click. Drawing objects now have a "style" property which they must match. A style can be generic or tool-specific: the former includes the common object properties such as layer, stroke color and pen, arrowheads, line type and fill; the latter binds the style to a specific drawing tool and includes any tool-specific properties, such as, for instance, text font and style or dimension attributes.
- (Pro) The new Styles palette provides access to selecting and managing styles in your document, creating new styles, selecting all instances of a style in the document, saving and loading styles on the disk.
- (Pro) The Find dialog now includes a new "Style" option to search objects by their style.
- Markers and arrowheads have been redesigned and now provide the same styles as the Dimension tool.
- The size of markers and arrowheads can now be set to custom values in the current unit, for the start and end marker separately. This applies to lines, polygons, arcs and curves.
- Added a new Hide Other Layers menu item.
- Functions that apply geometric transformations now show faster live previews.
- Faster Select All.
- Faster Zoom to Fit function.
- Faster redrawing on screen.
- Bindings between drawing tools and layers now include methods.
- Locking a layer now deselects any selected objects on that layer.
- The keyboard shortcut to the Set Attributes command now honors the accessibility of the object's layer.
- (Pro) Swinging and folding doors are now hinged to the external side of the jamb.
- (Pro) Object Info now provides the field to change the length of the selected wall.
- The grid is now printable when visible and the Print Construction Objects option is active.
- Print Preview: added a Resolution menu to set the printing resolution.
- (Pro) Doors and windows can have their own line type.

- Internal enhancements to allow the maximum accuracy of calculations.

## User Experience

- (Pro) Texts, Hatches, Dimensions, Walls, Columns and Door/Window panels now provide a Preset menu to save and load presets of tool properties.
- Double-clicking the middle mouse button now triggers the Zoom to Fit command.
- Added a preference option to choose the behavior of arrow click selections.
- Improved the pop-up menus that list common drawing scales.
- Minor improvements to the layout of several windows.
- Updated the appearance of the main window to match the color scheme of Leopard.
- Drawing Manager: now supports the Select All menu item and shortcut to select the table of the current pane.
- The Preferences file is now unique to this version, so it does not create conflicts with the preferences written by earlier versions.
- Find Panel: the Sheets menu now displays an icon next to the item name showing visibility and protection status. Protected sheets are disabled.

## Fixes

- Snap to intersections failed on vertical lines.
- Printing: Addressed minor issues.
- Restored the Explode button in the Standard edition.
- The built-in calculator did not receive keystrokes.
- Styles: double-clicking a style when the properties of the selected object did not match its style did not restore the original style.
- Styles: selecting an object with a modified style now updates the 'modified' state of its style.
- Addressed compatibility issues with Leopard 10.5.2.
- Solved a problem with autosave that could occasionally freeze the program for some minutes.
- DXF Import: with some files, the import function created redundant print areas.
- PDF Export: fixed a problem with polygons.
- PDF Export: fixed text objects with a background shape whose alpha values were set to 0.
- PDF Export: Arrowheads of polylines were not exported correctly.
- Stretch: fixed an error in Redo Stretch.
- Stretch: fixed a computation error that caused extra objects to be stretched.
- Chamfer did not accept 0.0 as valid value.

- Drawing Manager: saved line-types did not honor the current units.
- Drawing Manager: deleting a line-type did not move the corresponding file to the trash.
- Saved line-types did not load correctly.
- Saving a line-type could overwrite an existing file without notice.
- Printed pen weights no longer change with different printer resolutions.
- Fixed an internal error caused by damaged hatch objects.
- Some dimensions in fractional feet and inches could display slightly inaccurate values.
- Freehand lines saved in 1.8 were not loaded correctly.
- Walls extended to a different wall no longer leave artifacts in place of the old intersection.
- DXF Export: fixed a problem with dimensions.
- The proxy menu on the main window title bar now functional again.
- Items in groups now redraw consistently during scrolling and panning.
- Dimension Properties: the Units check-box now honors the current dimension units.
- Annotations no longer have an extra control point.
- The Units menu on the Dimension Properties panel did not show the units of the selected dimension.
- Annotation texts aligned to the middle were not displayed in the correct position.
- Tool-specific styles were not loaded correctly.
- Activating a tool-specific style did not update the method buttons.
- New Style dialog: improved the interface to make it more consistent with the selected style type.
- Drawing Manager: the Bind Layers menu displayed the wrong icon for the Measure tool.
- Fixed an error in DXF Export (broken in fc1)
- Some object types showed incorrect bounds.
- Styles: new styles created from the selected object are now applied to that object.
- Fixed the snap to the intersections between objects and construction lines.
- Fixed an internal error with text objects created in earlier versions.
- Tool-specific styles did not load correctly.
- Stretch now applies to rectangles.
- Constrain parallel/perpendicular to polygons now works correctly.
- The style buttons in Text Properties did not work.
- The input field of the Text tool now uses the current style settings.
- Text objects saved in earlier versions now load correctly (broken in 1.8b4)
- Fixed an internal error in the Explode command.

- The New Style dialog now activates the Line type option more consistently.
- Under some circumstances, selecting an object could cause the drawing to disappear temporarily.
- The Line tool draws a solid line with the current color instead of a temporary blue line.
- Some tools did not show the extension line when the Shift key was pressed during construction.
- Switching to a hidden sheet did not update the 'visible' icon on the palette.
- Get and Set Attributes did not include the style of the objects.
- Modifying the type of a style now updates its icon on the palette.
- The Styles palette now updates the name of styles modified with the Modify Style command.
- Input fields on the Object Info window now accept the Esc key to cancel the input.
- Dimensions in decimal feet and inches would occasionally show incorrectly rounded values.
- Fixed another instance of the problem with unresponsive key strokes.
- Layers contained in styles are now synced with those in the project. If the style includes a layer that is not available in the project, it is added to the project.
- Styles can be reordered by dragging the rows in the Styles window.
- The Delete key did not work correctly during the insertion of a text object.
- The text input field of the Text tool did not honor the selected object's alignment (broken in b4).
- With antialiasing off, texts did display with incorrect spacing at high zoom factors.
- Changing the thickness of a wall now correctly updates the openings.
- The Set Attributes command again provides user feedback when the action is completed (broken in b1).
- Key strokes stopped working properly after editing a value in an input field or switching sheets.
- The Hatch Properties dialog did not highlight the hatch type of the selected object.
- Symbols: the Flip Horizontal/Vertical properties were incorrect.
- Snap to intersections no longer ignores construction lines.
- Grouped walls no longer lose the intersections after the Undo command.
- Images cropped in the Adjust Image window did not update their control points.
- Rotate and Mirror functions no longer show artifacts on screen when applied to walls.
- Walls pasted at different scale now retain their correct thickness.
- Symbols: fixed a problem with duplicate symbols that caused extra consumption of memory.
- Symbols: adding a view to a symbol already present now correctly updates the symbol.
- Fixed some refresh issues that occurred while editing a line at a high zoom factor.

- Adjusted several dialogs to accommodate localised strings.
- Preferences: fixed a crash caused by the Shortcuts pane.
- Preferences: the Shortcuts table included the items of the Layers submenu.
- Large drawings at a 1:1 scale did show an offset of selection handles and snap.
- Changing the 'Locked' state of a layer on the Layers pop-up menu now updates the appearance of the layer's name.
- Layer bindings are now correct in pre-1.8 documents.
- App no longer freezes after opening a drawing with damaged origin.
- Wall intersections were broken in some cases.
- Tool presets are now properly saved into the Presets folder.
- Wall tool presets were not saved.
- Saving a preset no longer locks the program when an object is selected and the Object Info window is open.
- Styles: dimension styles now include arrowheads.
- Styles: the custom text in dimension styles is no longer saved with the other properties.
- Styles: applying a style to a leader caused an internal error.
- Styles: the New Style dialog no longer lists properties that are specific to dimensions.
- Styles: new styles are selected after they are added to the list.
- Stretch tool: Fixed some refresh issues.
- Stretch tool: linear dimensions are now stretched correctly.
- Symbols can be moved by their center point.
- Duplicate sheets did not update the value of elevation dimensions.
- Fixed several internal errors.
- Nudging and the Paste command did not set the "Document Modified" status.
- Fixed a bug in the Move command where objects selected with the Arrow tool box and the Shift key were moved by an extra offset.
- Change Length command now works correctly with walls.
- Trim and Extend commands could fail in some cases with horizontal or vertical lines.
- Deleting empty layers could result in an internal error.
- Construction lines could get damaged and cause malfunctions.
- When inserting a text, pressing the Return key did not add a new empty line to the field until the first character of the line was entered.
- A Text object could temporarily disappear from view after its contents was edited.
- Bezier lines did not always extend to the end point.
- Text objects at small zoom factors did not display the simplified lines in the correct position.

- Layer Manager: deleting a layer no longer causes unexpected results.
- Sheets palette: adding a new sheet and changing its name no longer causes the input field to lose the focus when the space bar is pressed.
- Sheets palette: it is no longer possible to set an empty name to a sheet.
- Dashed lines did not leave gaps of value 1.
- Object Info: trying to insert values into read-only fields no longer changes the zoom factor of the main window.
- Pressing the 0 key was interpreted as a zoom command, resulting in a 0.001% zoom level.
- Restored the shortcut to set the origin of the drawing by the combination 0 key - click.
- Extending walls did not work properly with angles of 45°.
- Hatches with angles of 45° did not print correctly.
- Exploded dimensions now retain label position and font. This applies to exported PDFs as well.
- Damaged rectangles are discarded when the document loads.