XL Designer V2.nn

Display Adjustments

Some hardware combinations produce a “blurry/fuzzy” display. Use the notes below to adjust the settings within XL Designer to suit or refer to the on-line video at:

http://www.seetrax.com/xld_videos.htm

General system:

* All graphical presentation within XL Designer uses the Microsoft Direct2D API in order to take full speed advantage of the latest generation of graphic cards and processors.

  The anti-aliasing feature of Direct2D means that the edges of displayed features are now much smoother. However it does cause some speed penalty when re-drawing.

  If more performance is required when working with a very high-density design on a computer of limited performance, anti-aliasing can be disabled in the *Edit > Display Adjustments* window. Changes to the setting only take place after a view is closed and reopened. A display rendering speed increase of 40% is typical when anti-aliasing is disabled.

Artwork editor:

* An “opacity” control at the bottom of the *View Control* toolbar in the artwork editor, allows the opacity of the topmost displayed layers to be adjusted in order to gain a clearer view of those lower down.

  Additional fine-tuning of individual copper & power plane layers and silkscreen mask and documentation layers is also available by selecting the box alongside the opacity slider. A window appears that provides control over all the layers.

  Tip! You will need to experiment with your colour choices/layer opacity to obtain a display that suits you. Blue and green are very strong colours and tend to swamp the red palette. Changing the standard dark blue that was used for the Bottom layer, to a paler blue allows the reds to come through better.

  Tip! You may find the grid dots, part labels, pin numbers too big/small, or the grid too feint – their size and intensity is controlled from the *Edit > Display Adjustments* window.

* Added an unroutes opacity control slider to the view control toolbar. At the left of the sliders travel, unroutes are displayed behind the copper layers, and at the right of its travel, they are display over the top of the copper layers.

  Tip! Be aware that if you choose to display unroutes behind the copper layers, SMD pad power plane unroutes (which are shown as a small blob) may not be visible.

* Configuration settings have been added to the new *Edit > Display Adjustments* window to allow the size of text for part labels, pin numbers and the diameter and intensity of grid dots to be controlled.

  The controls take a value in the range 20-100 with larger numbers increasing the size of the corresponding feature.

  Tip! You will need to experiment with these values as there is not a “one size fits all” setting.

Schematic editor :

* If the ruled schematic grid is too faint, or not visible, the width of the grid lines can be changed from within the *Edit > Display Adjustments* window, Schematic Editor "*Ruled grid line width*" value. Changes to this setting only become visible in a view after the editor is closed and reopened.

  Tip! If you find that lines are “disappearing” at different zoom levels, then increase the “Minimum line rendering width” value in the *Edit > Display Adjustments* window

  Tip! Changing the grid colour may also be required to gain clarity.

  Tip! The default colour settings may no longer suit your graphics display so it may be necessary to choose different colours for symbols, wires, etc.

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