## **Interactive Laboratory Usage Summary:**

Add a component Click on the component in the parts bin (the columns of part icons to the

right of the diagram area) and drag it onto the diagram. Release the

mouse when the component is in the correct position.

Move a component Click to select a component in the diagram (it will turn green) and then

drag it to its new location. You can use shift-click to add a component to the current selection. Or you can click somewhere in the diagram that is not on top of a component and drag out a selection rectangle --

components intersecting the rectangle will be added to the current

selection.

Rotate a component Click to select a component in the diagram (it will turn green) and then

type the letter "r" on the keyboard. The component will be rotated 90 degrees. Additional rotations will move the component through its eight

possible orientations (4 compass points and their reflections).

Delete a component Click to select the component in the diagram (shift-click to select

multiple components) then type DEL or BACKSPACE on your

keyboard.

Change a component's properties Double click on the component. This will bring up an Edit Properties

window that has input fields for each of the component's properties. Click OK to change the values. Click CANCEL or the window's close button to abort the changes. Numeric values can be entered using engineering

notation:

suffix multiplier		suffix multiplier	
T	$10^{12}$	u	$10^{-6}$
G	$10^9$	n	10-9
M	$10^{6}$	p	$10^{-12}$
k	$10^{3}$	f	$10^{-15}$
m	$10^{-3}$		

Add a wire

Wires start at connection points, the open circles that appear at the terminals of components or the ends of wires. Click on a connection point to start a wire -- a green wire will appear with one end anchored at the starting point. Drag the mouse and release the mouse button when the other end of the wire is positioned as you wish. Once a wire has been added to the diagram it can be manipulated like any other component.