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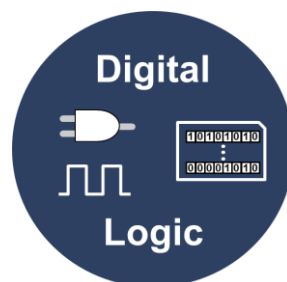
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## **Logic Gates User Guide**



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### Powering On

To power on the logic gate board, ensure the module is connected to a USB port on a computer using the USB connection on the backside of the board. This should light up an LED on the logic gate board letting the user know that it is powered on. Figure 1 shows an example of a board being powered.

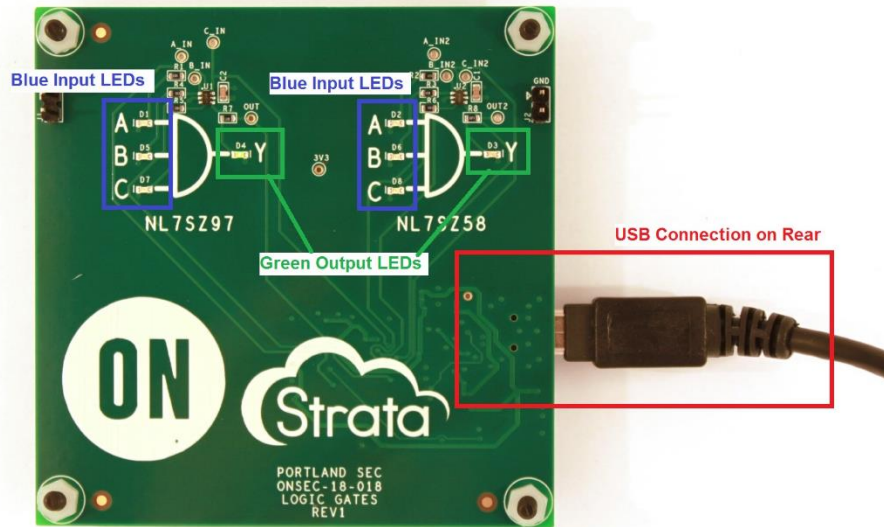


Figure 1: Setup Demo

### Using the UI

To use the UI, open up the Strata application and login. The window shown below in Figure 2 should appear.

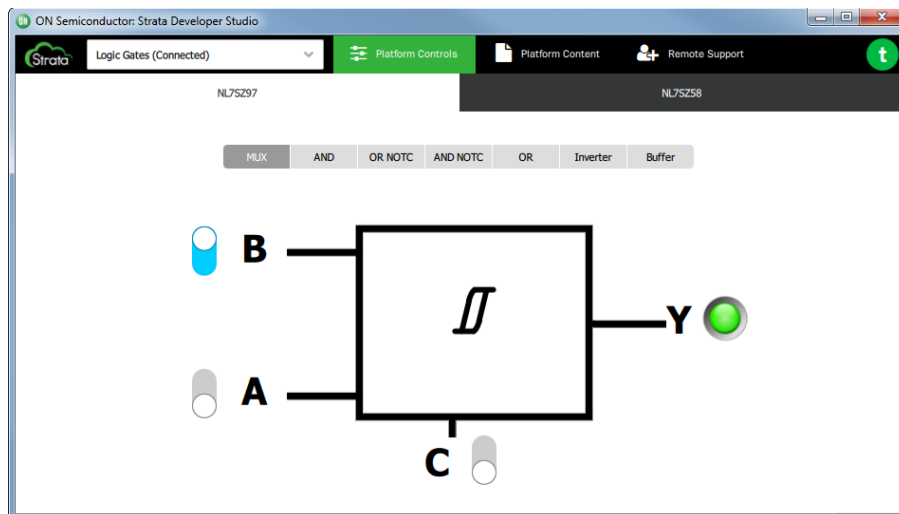


Figure 2: Image of the UI to control the logic gates.

Using the two tabs on top, the user can toggle between the two logic gates on the board. By clicking on the input switches, the inputs can be toggled on or off and the output on the logic gate will automatically update to match the inputs. The bar above the gate is used to select the type of logic gate that the user wants to use. The inputs and outputs on the UI can be observed physically by looking at the LEDs on the board. The blue LEDs represent the different inputs and the green LEDs represent the outputs.

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