

Quickstart Guide for LA5034 Logic Analyzer

Install the software before plugging in the Logic Analyzer USB cable.

Plug in the USB cable to the Logic Analyzer and let your system install the drivers.

Select **File** **New Project** to create a new project file and give it a name if desired.

Select **Setup** **Signal Name Setup** and change the signal names (by clicking in the text box) to suit your application. Give them meaningful names (ie. D0, D1, etc).

Select **Setup** **Bus Setup** and edit the list to display only the signals that are connected.

Select **Setup** **Trigger Setup** and set the desired trigger edge. You can trigger on **Rising**, **Falling**, or both **Rising and Falling** edges.

Select **Sample Rate** (using the **Horizontal Control** on the right) and set the desired sample rate. Select **Clock** as **Inner Clock** to allow the sample rate chosen to be used or select **External Clock** if you are using either **CLK A** or **CLK B** as the sample rate.

Select **Trigger Level** and set the desired trigger level condition for Trigger A or for both Trigger A and B.

This level will be based on the thresholds of the logic circuitry used in your circuit under test.

Normally only one level of trigger conditions is required so we can usually ignore the Trigger B menu.

Connect the desired channels of the Logic Analyzer to your circuit under test and select the desired **Trigger Mode**.

Normally you would use **Normal** or **Auto** trigger unless you are trying to capture a single event in which case you would select **Single** trigger.

Power up your circuit under test and you should see the signals displayed on the screen.