



Acute Logic Analyzer Stack
With Tektronix Scope Manual

: *How to stack the Acute Logic Analyzer with the Tektronix Scope?*

First, you need to download the software “[Signal Express Tektronix Edition Base Software](#)” from the following website:

http://digital.ni.com/demo.nsf/display?ReadForm&lookup=Evaluation%20Software&view=type&node=157200_US

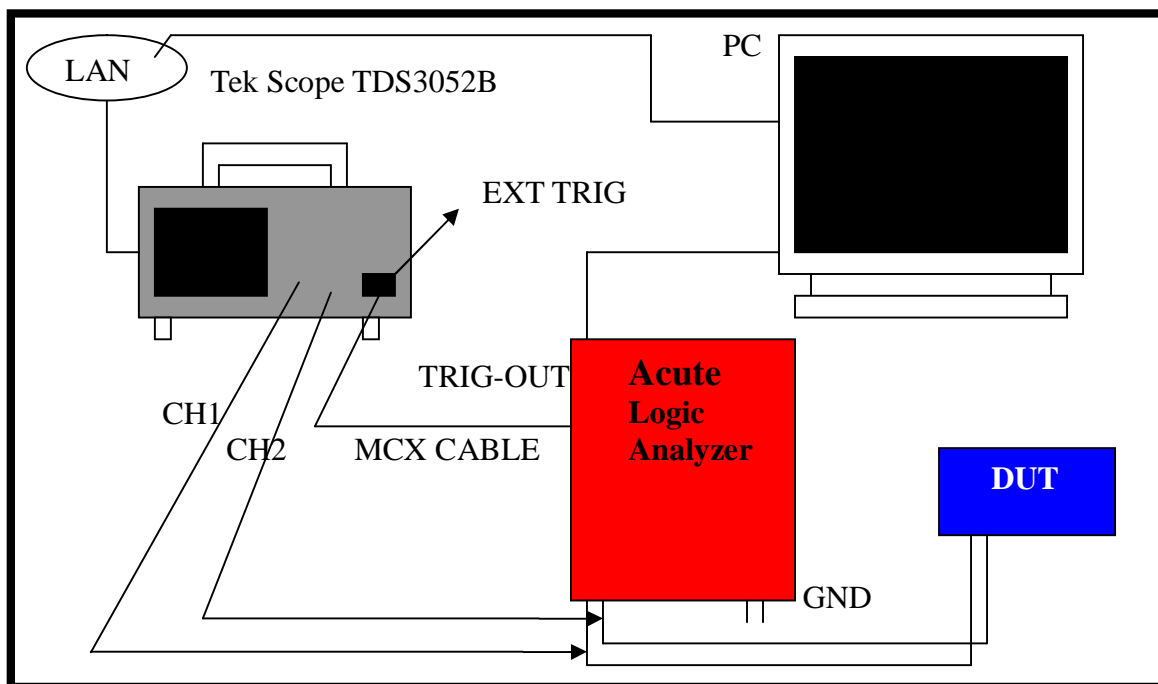
and install the software on your PC. The software manual can be downloaded from the website:

<http://digital.ni.com/manuals.nsf/websearch/076C1BC134FA388E862570D100570230>

Note: [Signal Express Tektronix Edition Base Software](#) is valid only 30 days for evaluation, nevertheless, the “stack” function works after the evaluation period.

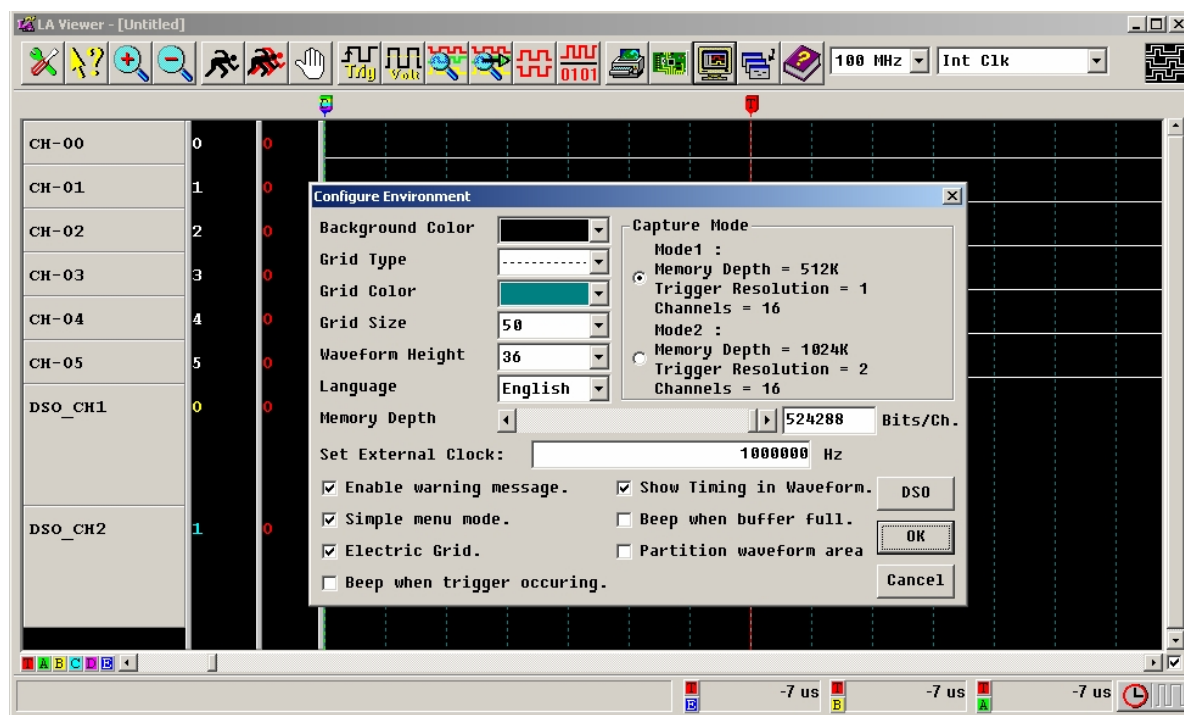
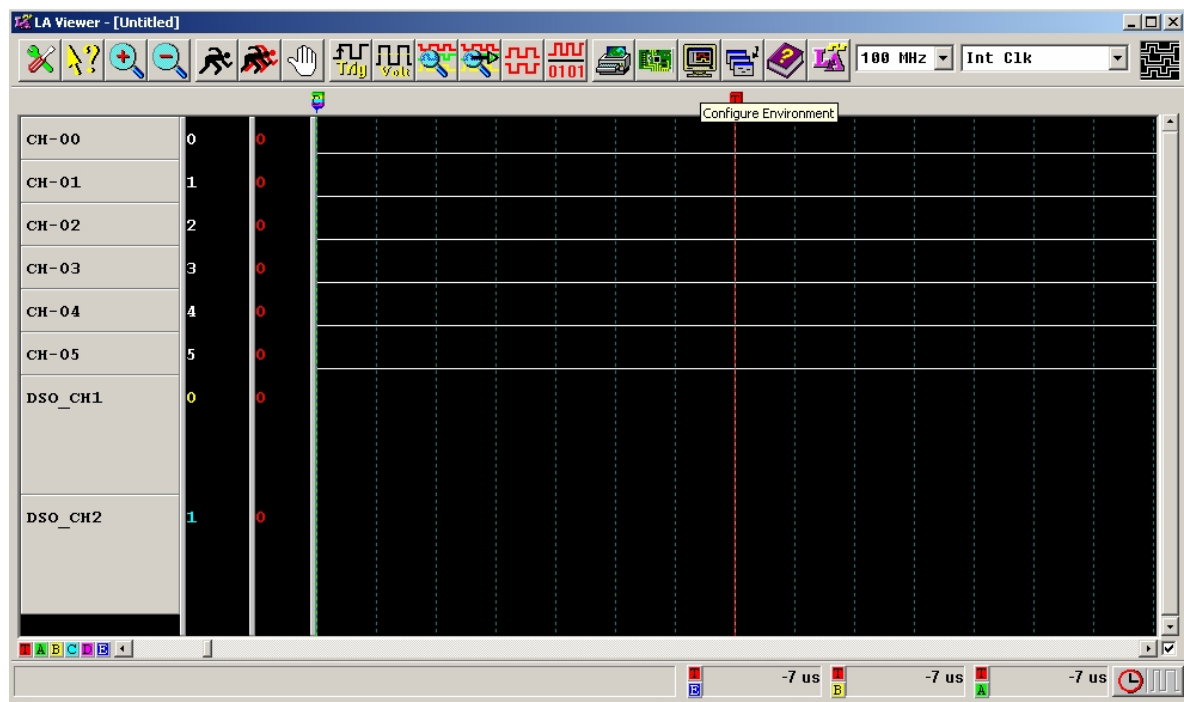
Note: the “stack” function applies to the following Tektronix scope models: TDS 1000/1000B, TDS 2000/2000B, TDS 3000/3000B, DPO 4000, TDS 5000B series.

The "stack" hardware framework is like the picture below:

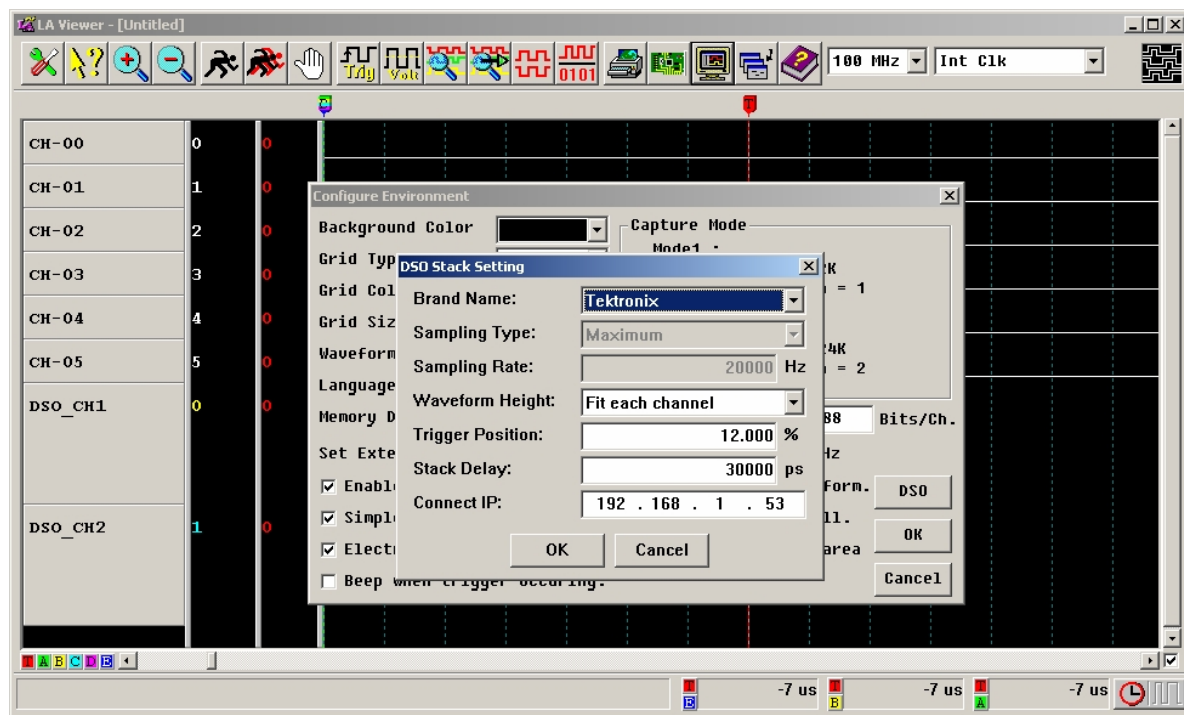


Take the Tektronix TDS 3052B scope for instance, it connects with the PC over the Ethernet, then connect the Acute Logic Analyzer with the TDS 3052B scope with an MCX cable.

Run the "LA Viewer" software and push the button "Configure Environment" as below:

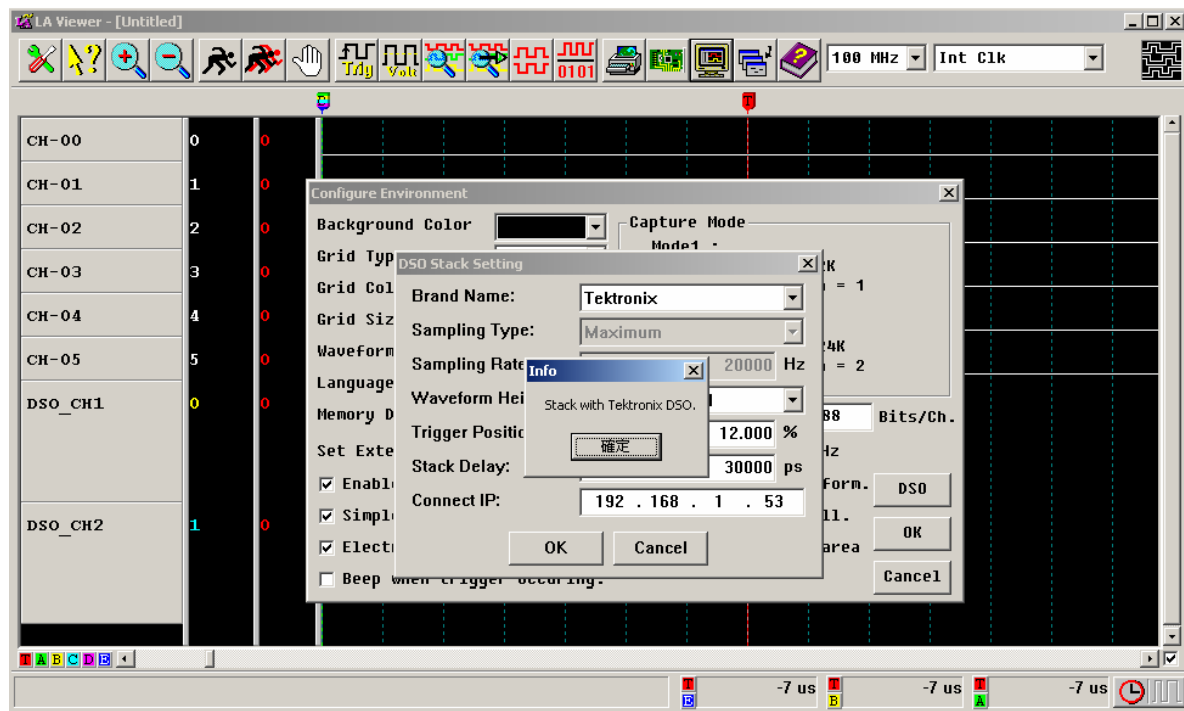


Push the button "DSO" and it shows DSO Stack Setting dialog box as below:

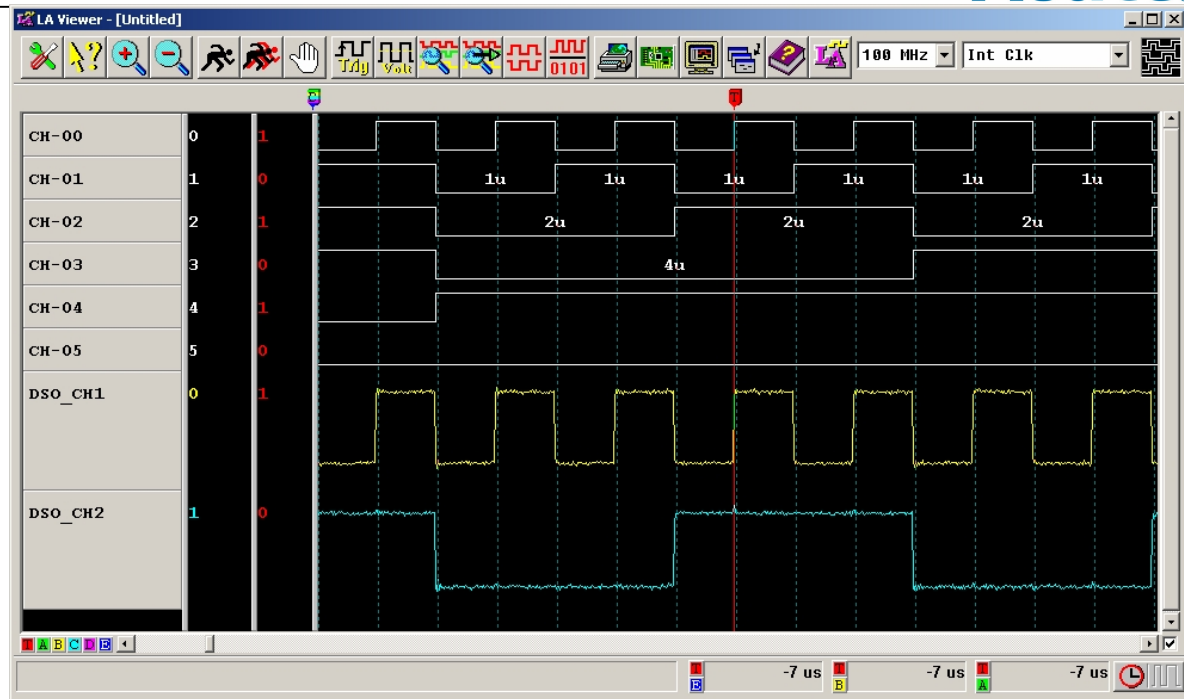


To Connect IP, push the "Application" button on the front panel of the Tektronix Scope; then push "System I/O" -> "I/O" -> "Ethernet Networking Setting" -> "Change Instrument Setting" to configure the Instrument IP Address. Or you can push the "DHCP/BOOTP" button to generate an IP address automatically.

We have Connect IP:192.168.1.53 in our example.



We have configured DSO Stack Setting and have measured a 2MHz and 7 Bits width counter, for example. We connect CH1 and CH2 of the Scope with CH-00 and CH-02 of the logic analyzer respectively as below:



Note: You can connect and control the Tektronix scope through Ethernet or USB interface.