

# How to set up Agilent DSO6104L

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1. Download and install Agilent IO libraries suite 16.3 or higher, from the following link:

<http://www.keysight.com/main/software.jsp?cc=PK&lc=eng&ckey=2175637&nid=-536900526.697048.02&id=2175637&cmpid=zzfindiosuitedownload>

2. Take a LAN crossover cable and connect the oscilloscope with the PC through the crossover cable.
3. After a few minutes the LAN LED would turn green indicating that the connection had been established.
4. Open cmd and type 'ipconfig' to see the IP address of the PC.
5. Now type 'arp -a' in cmd to see the IP addresses of all the devices connected with the pc.

(Arp means address resolution protocol)

6. `arp-a' gives IP addresses of all the instruments, along-with their unique identification codes (called MAC-addresses) connected with the PC. Like every other instrument, DSO6104L also has a MAC-address, which is printed on it next to the power connection. Note the IP address printed next to this MAC-address on the cmd window.

7. Now type 'ping the\_IP\_address\_of\_the\_oscilloscope' to test whether or not the connection has been established.

8. Open Agilent connection expert. Right click on LAN and click add instrument.

9. Since LUMS' network is secured, it doesn't allow communication directly with other devices over the same subnet.  
Hence 'auto find' will not give any device.

10. Click manual connection and paste the DSO's IP address. Click ok.

This should add oscilloscope in the connection expert.