

Ethernet Communication Setup for a DG645 Digital Delay Generator

Windows computer

Install Telnet in Windows 10

- * Open "Control Panel".
- * Open "Programs".
- * Select the "Turn Windows features on or off" option.
- * Check the "Telnet Client" box.
- * Click "OK". A box will appear that says "Windows features" and "Searching for required files". When complete, the Telnet client should be installed in Windows.

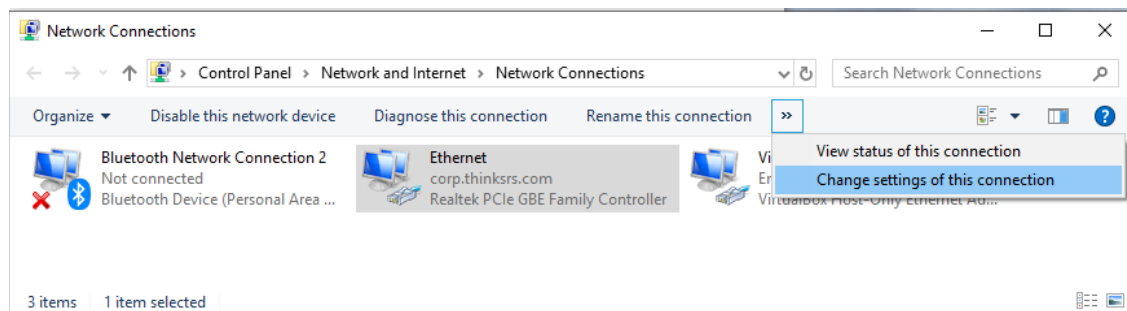
Open Network Status/Properties/Edit and copy down your existing settings, as shown

IP address: **172.25.96.238**
Gateway: **172.25.0.1**
Preferred DNS: **172.25.96.3**

Unplug ethernet cable from PC

Change the computer IP address to select an IP address automatically:
Control Panel -> Network and Internet -> Network and Sharing Center and click Change adapter settings

Select the Ethernet adapter and select Change settings on this adapter



Select Internet Protocol Version 4 (TCP/IPv4) and then click Properties

Make sure that "Obtain an IP address automatically" is selected and click OK.

DG645 Setup

Use an ethernet cable and connect it directly from the computer to the DG645.

Connect power to the DG645 and turn it on

Press keys: 'SHIFT', '6', 'UP', '6', '6'. The screen should say connected. If not you need a crossover cable.

Press key '6' one more time: The IP address for the DG645 should be shown. It will be something like "169.254.13.108"

Windows computer

On Windows, open a command prompt and telnet to that ip address at port 5024.

```
telnet 169.254.13.108 5024
```

DG645 Telnet Session:

```
*idn?
```

```
Stanford Research Systems,DG645,s/n001977,ver1.19.118
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