Ethernet Communication Setup for an SR865A Lock-in Amplifier

A crossover cable is not required (but it works with a crossover cable, too).

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 if you need to revert it later.

Unplug ethernet cable from PC

Enter new IP settings, as shown

IP address: 192.168.0.3
Gateway: 192.168.0.1

SR865
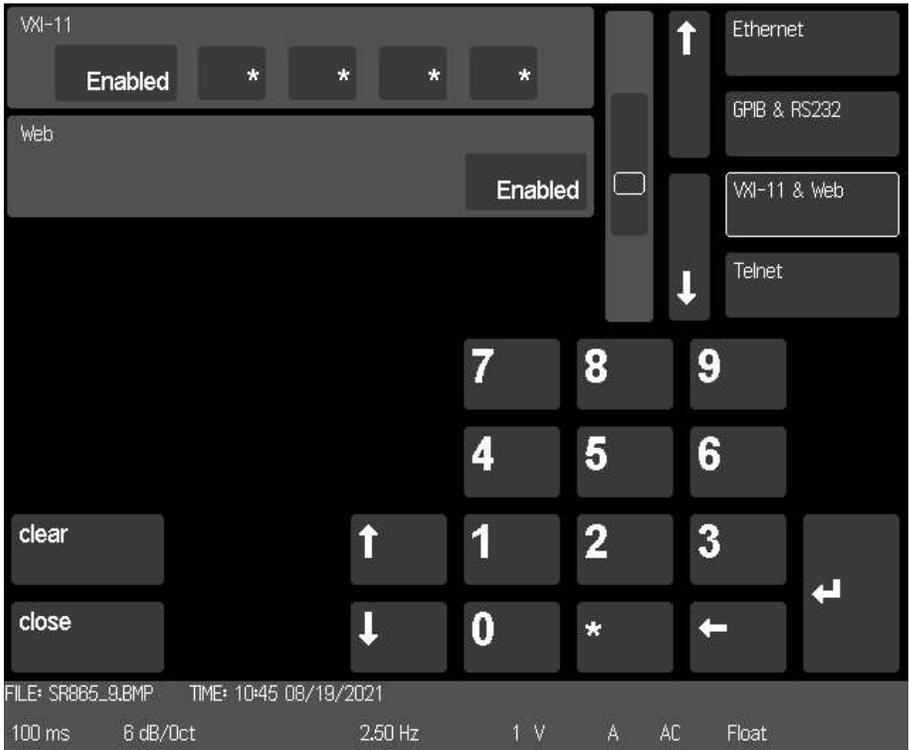In menu system/Telnet, select the following settings

  Telnet: Enabled
  Receive Terminator: CR
  Transmit Terminator: CR-LF

And in menu system/VXI-11 & Web
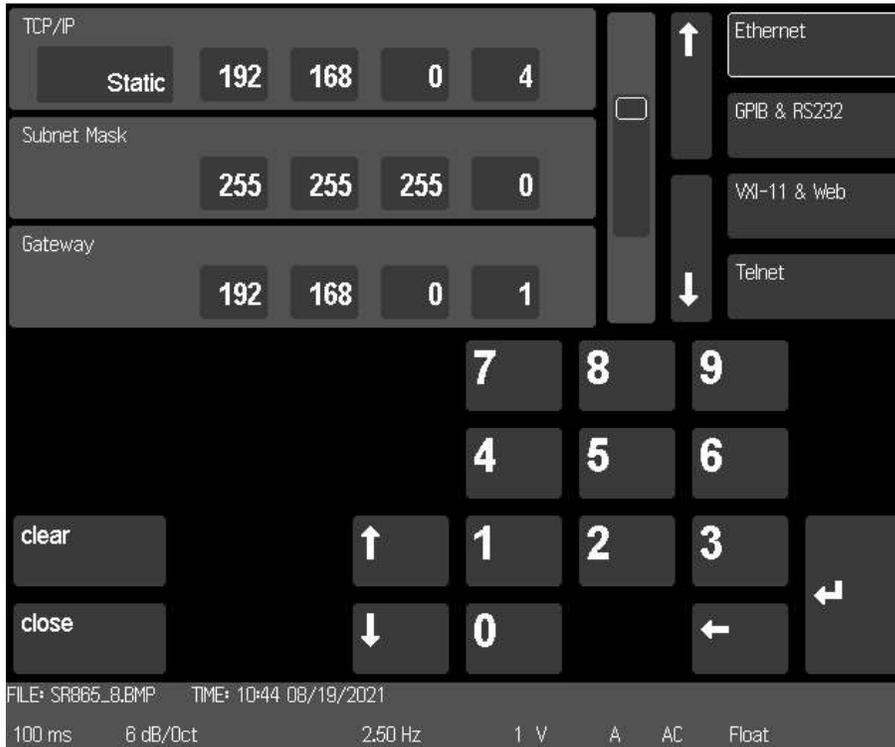
VXI-11: Enabled
Web: Enabled

In menu system/Ethernet, set as follows:
   Static
   TCP/IP   192.168.0.4
   Subnet Mask 255.255.255.0
   Gateway: 192.168.0.1

Finally, power the SR865A off and back on so the settings are updated.

Windows

Open command prompt, and start a telnet session

telnet 192.168.0.4
*idn?
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