

3550R / 3920B / 8800SX Digital Radio Test Set TightVNC

This quick card describes how to use TightVNC to remotely operate a VIAVI Radio Test set.

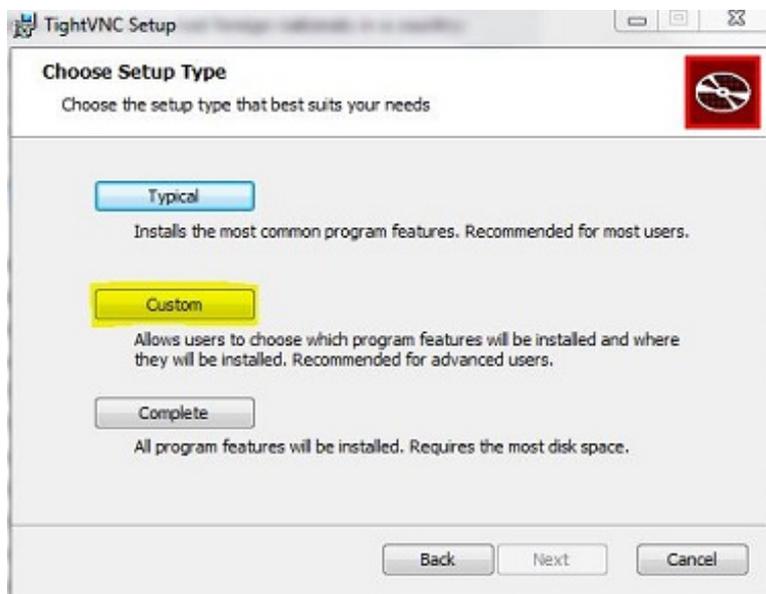
VIAVI Radio Test sets have a VNC Server installed to allow easy access to controls from a remote computer, tablet or phone.

System Requirements

- Personal Computer (PC) with TightVNC installed
- Router, Switch, or Direct Connect

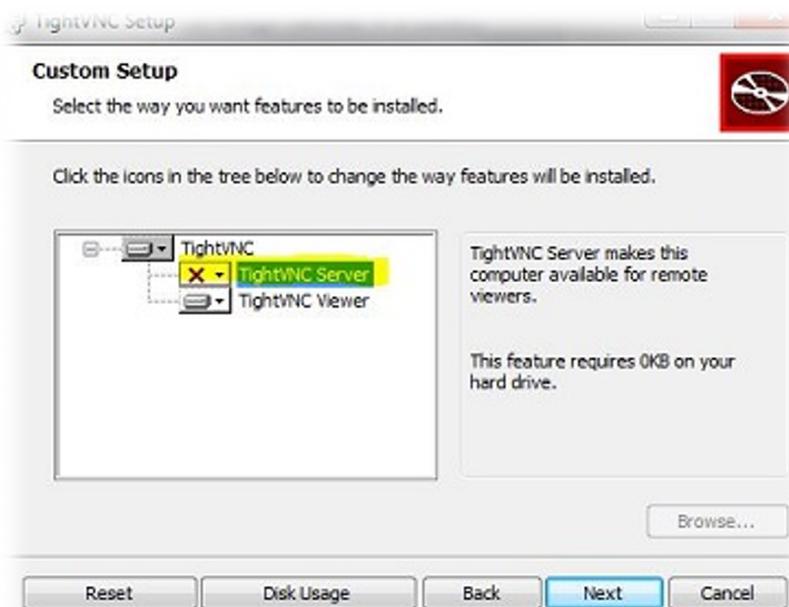
Download and install TightVNC

- Open an internet browser and navigate to <http://www.tightvnc.com/download.php>
- Click to download TightVNC for Windows
- When installing TightVNC, select Custom under 'Choose Setup Type'



- Deselect TightVNC Server so that only the TightVNC Viewer is installed

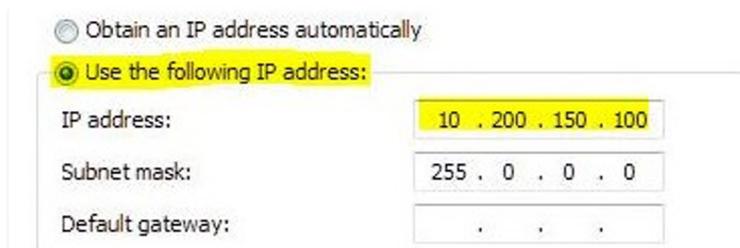
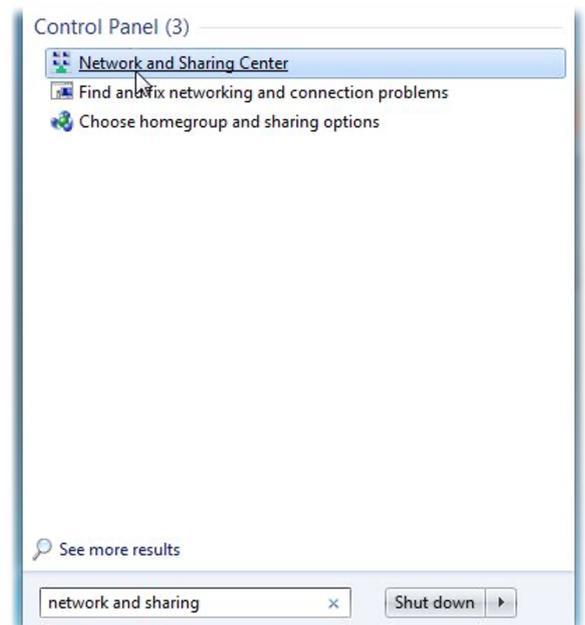
TightVNC



Network Setup

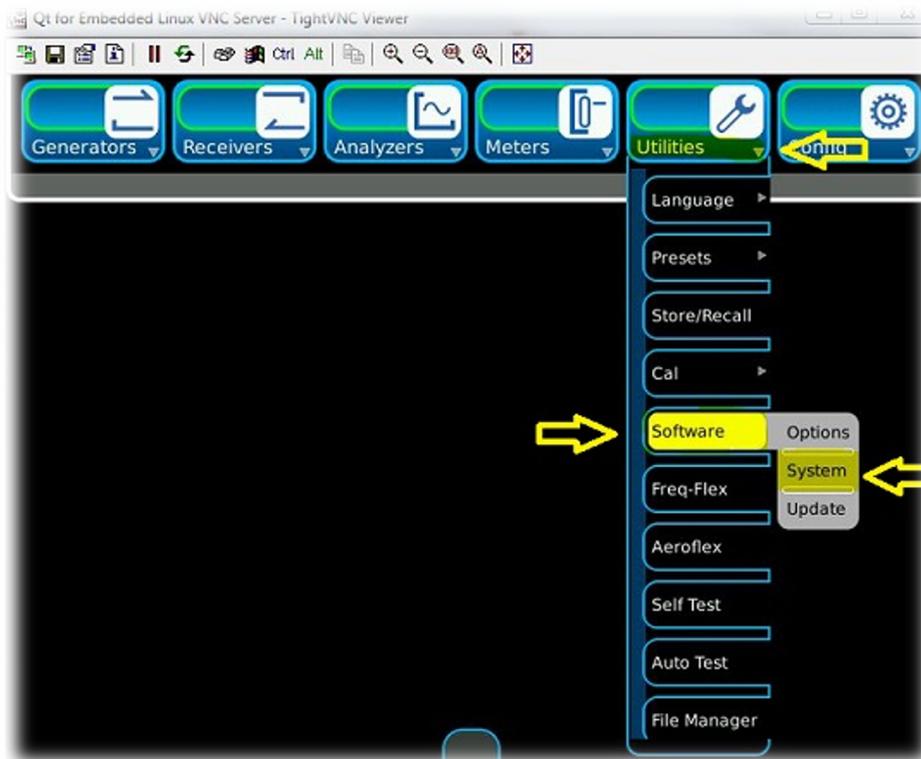
Networking via Router or Switch (DHCP) vs Direct Network Connection

- If connecting through an existing network via a router or switch using DHCP, you can proceed to checking the IP address of the test set
- If directly connecting from a PC to the test set, you must use a crossover cable and assign a static IP for both the PC and test set (see below)
- To assign a static IP in Windows 7 or newer, type network and sharing into the Search box in the Start Menu and select Network and Sharing Center
- Click on Change adapter settings, then right-click on your local adapter and select Properties.
- Highlight Internet Protocol Version 4 (TCP/IPv4) and click Properties
- Select Use the following IP address and enter an IP address (ie 10.200.xxx.x)
- The Subnet mask field will auto-populate
- The static IP you set for the tester will need to be in the same range (consecutive address work best; if the PC is 10.200.150.20, set the tester to 10.200.150.22)

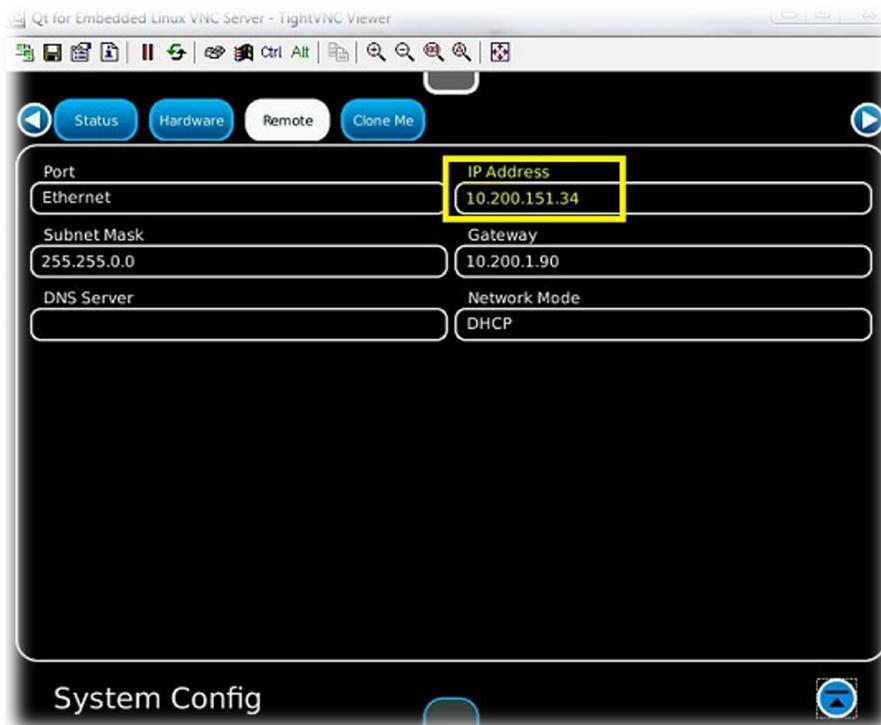


Configuring 8800SX Connectivity Settings

- On the 8800SX, select Utilities > Software > System

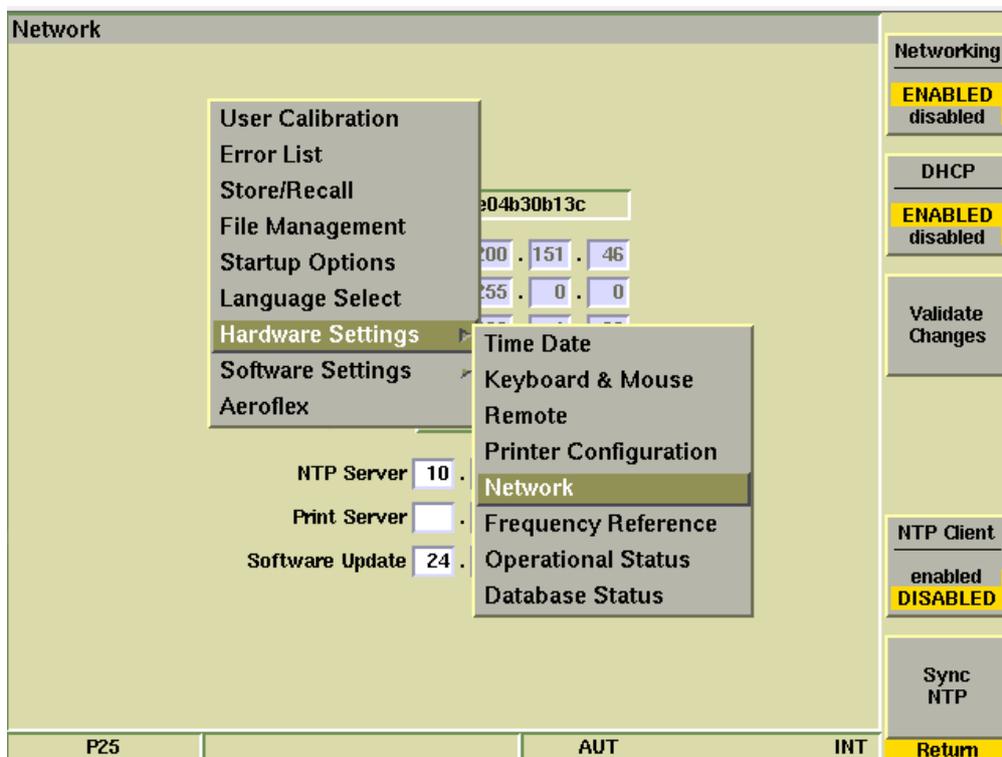


- Select the Remote tab, which will display the IP address of the 8800SX
- If directly connecting, set the Network Mode to Static IP and the enter the IP address

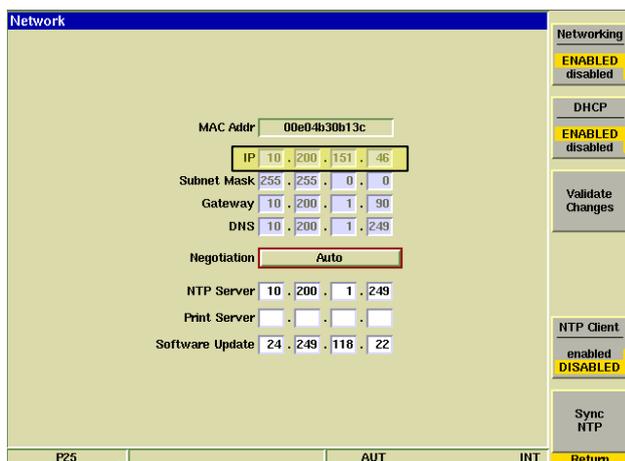


Configuring 3920B Connectivity Settings

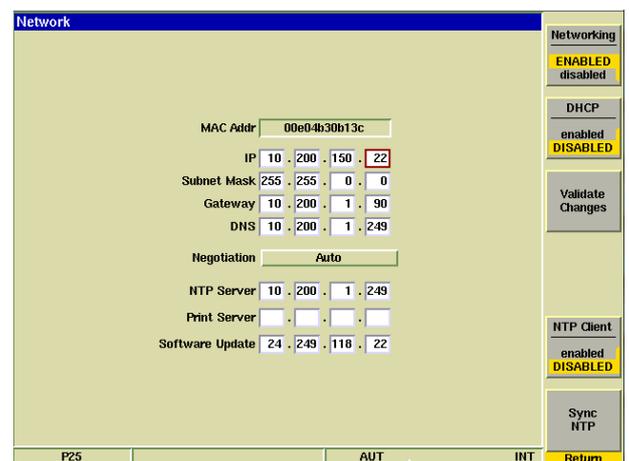
- From the Utils menu, go to Hardware Settings>Network



- The IP address is displayed
- If directly connecting, set DHCP to disabled and the enter the IP address
- After entering the IP address, press Validate Change



3920 in DHCP mode (Network assigns the IP)



3920 in Static IP mode (Operator assigns the IP)

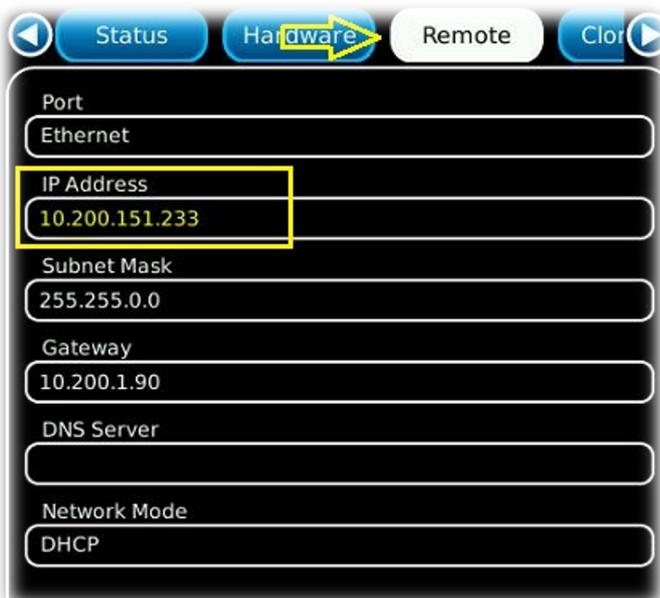
(Please note that with some Ethernet routers and switches, it may be necessary to select a 3920B Negotiation setting other than Auto, such as “100Base Half-Duplex” to avoid negotiation conflicts with the Ethernet router or switch.)

Configuring 3550R Connectivity Settings

- On the 3550R, go to System>System Config



- Under the Remote tab, the IP address will be displayed
- If directly connecting, set the Network Mode to Static IP and the enter the IP address



Operating the test set with from your PC with TightVNC

- Launch TightVNC Viewer and enter the IP address of the test set that you wish to connect with.
- Click on the Connect button.



3920B Notes:

On the 3920B, the default password is **3900** (VNC Viewer Password can be changed in Utils > Hardware Settings > Remote)

On the 3920B, the remote keyboard can be used to access the following front panel keys:

ALT+A – Assign Key

ALT+T – Test Key

ALT+C – Config Key

ALT+U – Utils Key

PGUP and PGDN – Up and Down arrows

F1 – Help, F2-F7 – Function Key selections, F8 - Return

8800SX Note: on the 8800SX, you cannot connect while a mouse is connected to the test set

8800SX & 3550R Note: on the 8800SX & 3550R, pressing F1 while using TightVNC viewer will pull up the System Menu