P5000A Series USB-Vector Network Analyzer Quick Start Guide

CAUTION   Please use ESD Precautions when handling and operating

System Requirements

Refer https://www.keysight.com/find/pxiusbvna-firmware for the system requirements.

Installation Procedure

1. Download and install the Keysight IO Libraries Suite at www.keysight.com/find/iosuite. Follow the installer prompts.

2. Download the network analyzer software from https://www.keysight.com/find/pxiusbvna-firmware webpage.

3. Execute and install the network analyzer software according to the installer prompts.

4. Shutdown PC once the installation is done.

5. Connect the included USB 3.0 Type C cable to the P50xxA and the other end of the cable directly to a USB 3.0 port on a PC (USB 2.0 is not supported).

6. Plug in the AC adapter to the back of the instrument and then plug it into the AC power.

7. Press the power button to **power up** the instrument first. Confirm if the Power LED is green.

For 4-port P502xA above 20GHz, connect the control cable and tighten it with the nuts as shown in the image above.

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8. Then, power on the PC, click the Network Analyzer icon to execute the VNA application.

9. Select the required P50xxA, then click RUN. Confirm if the instrument LED status is green. See the Help: Quick Start > SFP Launcher for more information.

Note: FPGA update will be necessary if the FPGA version on the VNA differs from that on the user's controller PC.

The update process requires some time (10 minutes or more depending on number of ports) to complete.

During this time, it is crucial not to turn off the PC or VNA, disconnect the USB cable, nor interrupt the FPGA update progress. Failing to complete the FPGA update properly may render the VNA non-recognizable/ non-bootable.

Note: When the unit is not detected, reboot PC.

Rear Panel

Front Panel

Fan Exhaust Side   Fan Intake Side

The P50xxA VNA has the right side of the instrument dedicated to air intake and the left side dedicated to air exhaust.

Additional information:

Topic	URL
PC setup procedure and its troubleshooting tips	http://www.keysight.com/find/VNATBTConnectivity
Product information	http://www.keysight.com/products/P5000A
Manuals	http://www.keysight.com/manuals/P5000A
Technical support	http://www.keysight.com/support/P5000A
Multiple modules setup	Help: Quick Start > Multiport and Multisite Configuration
Connector Care	https://helpfiles.keysight.com/csg/pxivna/Tutorials/Connector_Care.htm
Contacting Keysight	http://www.keysight.com/find/assist

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www.keysight.com