

P50xxB/P937xB/P938xB Series Keysight Streamline Series VNA, Thunderbolt 3 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 from www.keysight.com/find/iosuite. Follow the installer prompts.
2. Download the network analyzer software from <https://www.keysight.com/find/pxiusbvna-firmware> webpage. Follow the installer prompts.
3. Shutdown PC once the installation is done.
4. Connect the included Thunderbolt 3 cable to either of port on the Network Analyzer rear panel and the other end of the cable directly to a Thunderbolt3 (USB-C) port on the PC.
5. Plug in the AC adapter to the back of the instrument and then plug it into the AC power.
6. Press the power button to **power up** the instrument first. Confirm if the Power LED is green.
7. Then, power on the PC, click the **Network Analyzer** icon on the PC desktop to execute the VNA application.



For P502xB-402 or P5025/6/7/8B-400, connect the control cable and tighten it with the nuts as shown in the image above.

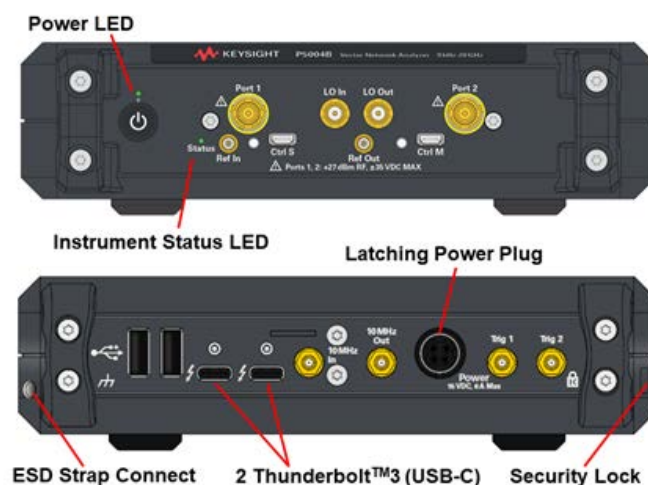
8. Select the required model, then click RUN. Confirm if the instrument LED status is green. See the [Help: Quick Start > SFP Launcher](#) for more information.

Note: When the unit is not detected, reboot PC. If it does not resolve, apply the latest windows update and update the computer BIOS and the thunderbolt driver and firmware.

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.



A cable retainer attachment is furnished with the Thunderbolt 3 Streamline VNAs to avoid the unexpected Thunderbolt 3 cable disconnection. Refer to [Help: Quick Start > USB VNA Rear Panel](#).

The P50xxB/P937xB/P938xB VNAs have 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 |
| Manuals | http://www.keysight.com/manuals/P5000B |
| Technical support | http://www.keysight.com/support/P5000B |
| 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 |

This information is subject to change without notice.

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Edition 5, March 2024



P5000-90010

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