

E5505A Phase Noise Measurement System Software Update Instructions, Windows 10

Introduction

The purpose of this document is to outline the instrument software update procedure for the E5505A Phase Noise Measurement Systems using the Windows 10 operating system. These systems use the N5510A Phase Noise Measurement Software.

This procedure will update the software, from the revision that is currently installed, to the latest revision available. Updating the instrument software with the current revision keeps the E5505A systems current and up to date.

An update to the instrument software revision **does not** require a new license key for the measurement application, so long as the application was licensed prior to the update.

To determine what revision of instrument software is currently installed. On the top of the menu select, **[Help]**, then **[About]**. This will display the "Instrument S/W Revision" number (example: "1.0.4.1"). If the installed revision is the same as the latest revision on the Keysight website, there is no need to update the software.

Note: This will only update the instrument software that currently resides on the C: drive of the instrument. It will not update the version that exists on the recovery partition. Because of this, if the recovery process is performed, the system will revert back to the instrument software revision that was originally shipped from the factory.

Requirements

To use this update procedure, the following requirements must be met:

- A properly functioning E5505A phase noise measurement system
- A USB keyboard and mouse.
- The ability to log in to the instrument as the **administrator**.
- The ability to transfer a large file (~90 MB) to the Kontron PC controlling the system that is being updated.

File Download

1. Go to http://www.Keysight.com/find/E5500_Software
2. Select and download the executable file “N5510_Installer_1.x.x.x.exe” in the “Current Version” tab of the webpage.

If you do not have the ability to download files directly to the C:\Temp directory of the Kontron PC being updated, store the file on a large capacity USB storage device for transfer to the Kontron PC. (The file size is ~90MB)

USB: If you downloaded the software update file to a PC, then transferred to a USB storage device, plug that USB device into one of the USB ports on the Kontron PC. Access the file using Windows Explorer, and proceed to Step 1.

LAN: If you downloaded the instrument software update file directly via LAN to the Kontron PC, for example, to C:\temp, access the file from that location and proceed to Step 1.

Note: If using the LAN method, depending on your firewall settings, you may see the pop-up message shown in Figure 2, Select “**Unblock**” to continue.



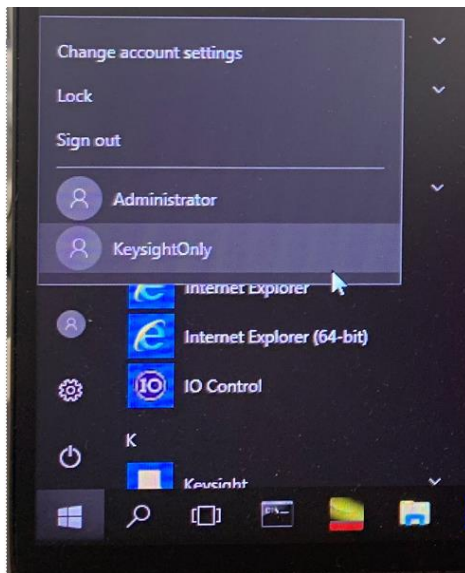
Software Update Procedure

The default user account is ***Instrument***, which does not have the required permissions to install the software updates. For the process outlined below, the user must be logged in as the ***Administrator***.

The software update process requires first that the existing version be uninstalled and then the new version can be installed. The entire process can be completed in approximately 10 minutes.

Software Uninstall

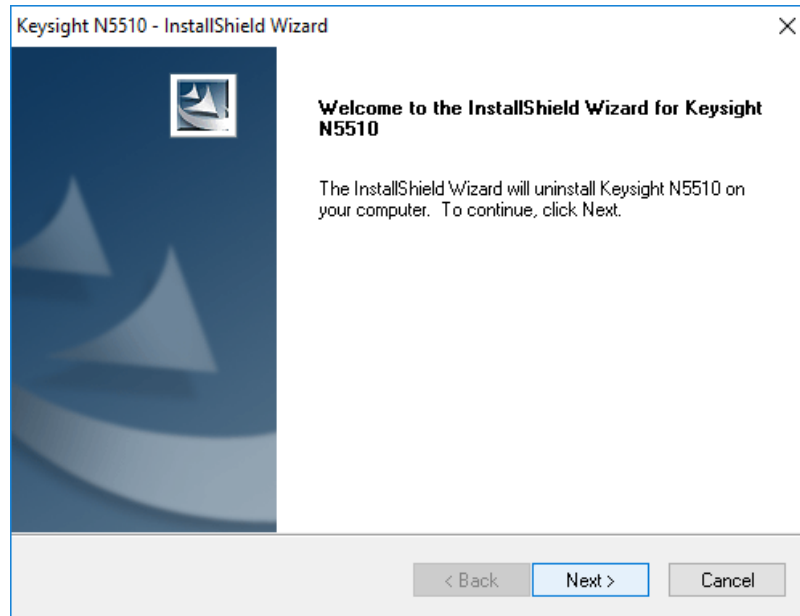
1. Close the application by pressing [File], {Exit}
2. Connect a USB keyboard and mouse to the instrument.
3. Log out of the default user (***Instrument***) by selecting **Start** > Then right click on the instrument Icon and select >**administrator**



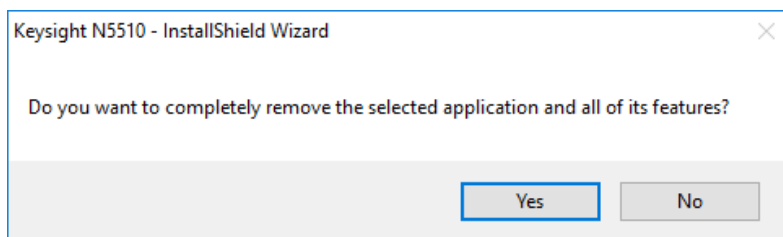
4. At the login prompt enter:
 - User name: **administrator**
 - Default Password: **Keysight4u!**

Note: If a “Found New Hardware” wizard window pops up, select “No Not at this Time” to bypass the activity.

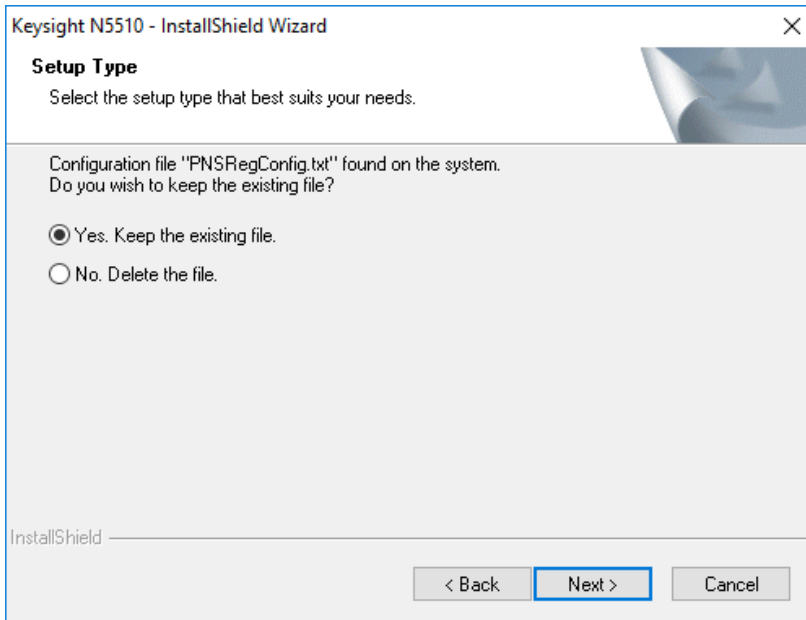
5. Locate the software update file you downloaded from the Keysight web site.
If the installer is on a USB device, copy the installer to the desk top of the Kontron PC and then eject the USB device before running the installer.
6. Double click on the file named “**N5510_Installer_1.0.x.x.exe**”
7. You will see the InstallShield Wizard as shown below. Click **Next**.



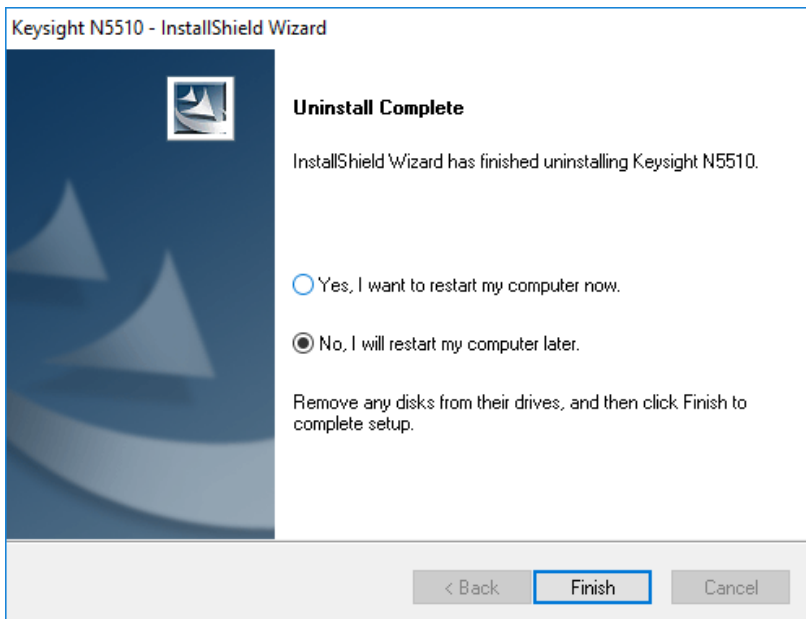
8. A window appears asking if you want to completely remove the N5510A application. Click **Yes**.



9. A window appears asking if you want to keep the existing PNSRegConfig.txt file. It is recommended that you select **Yes**. The uninstall will then begin. There will be several windows appearing and disappearing during this time.

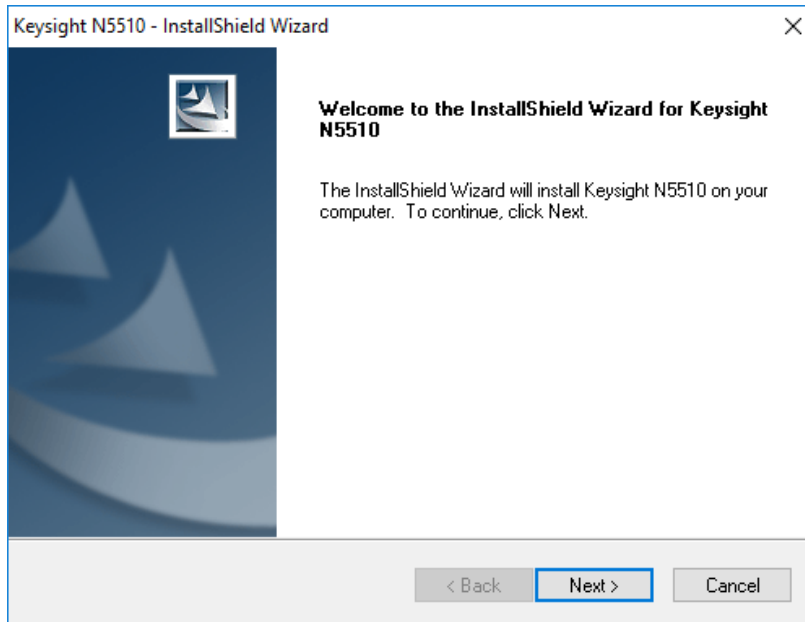


10. After the uninstall has completed, you will be asked if you want to re-boot. Select **No, I will restart my computer later** and click **Finish**.

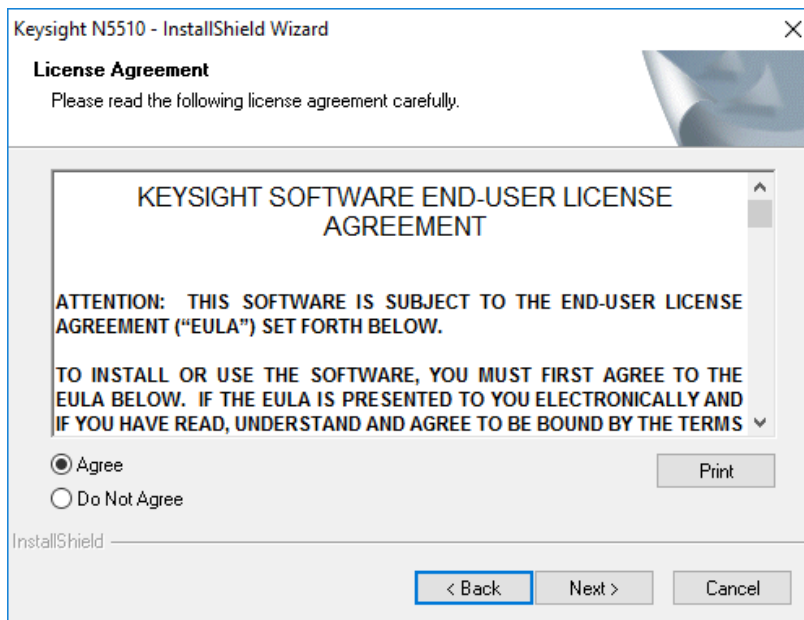


Software Install

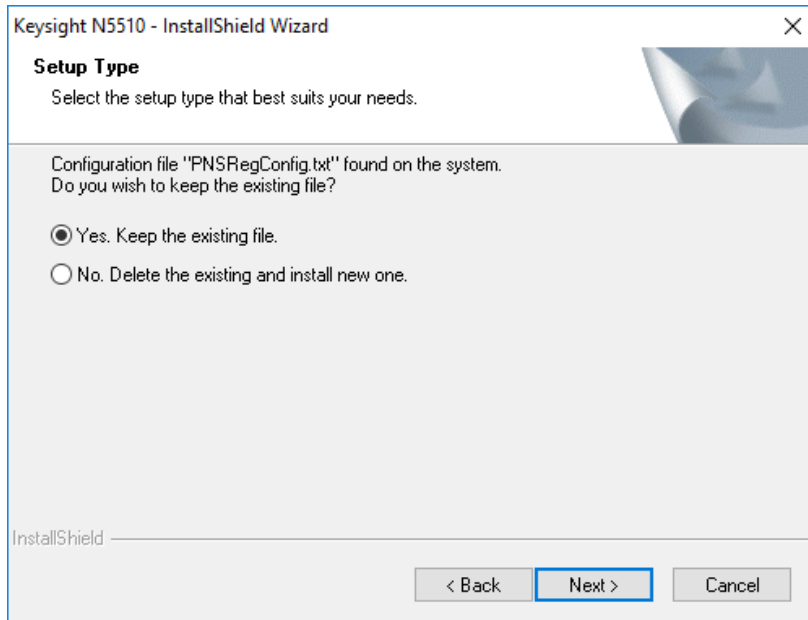
1. Double click on the file named **“N5510_Installer_1.0.x.x.exe”**
2. You will see the InstallShield Wizard as shown below. Click **Next**.



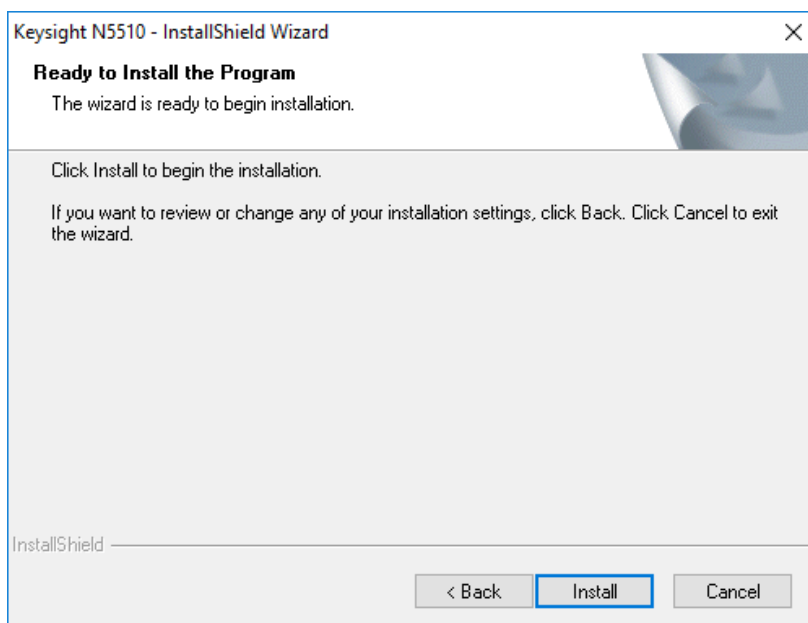
3. You will then see a window asking you to accept the End User License Agreement (EULA). Check the **Agree** button and click **Next**.



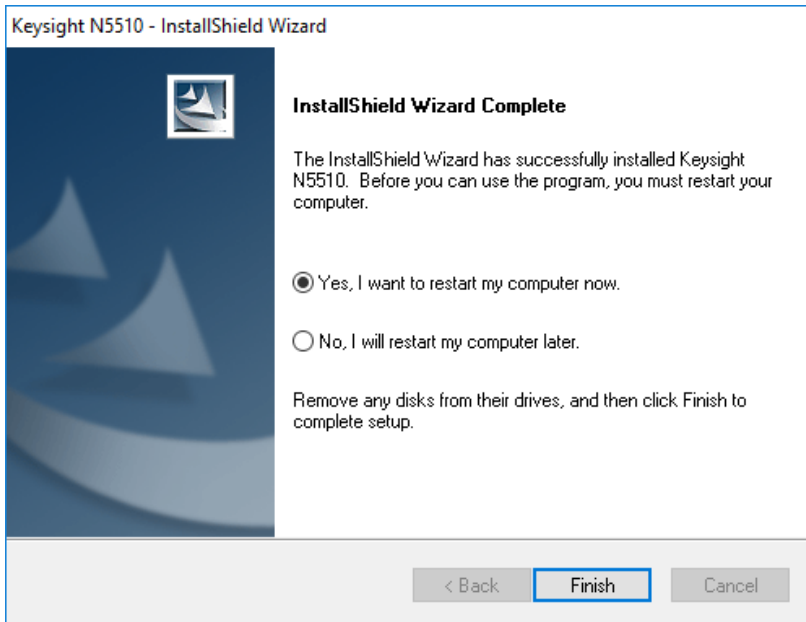
11. A window appears asking if you want to keep the existing PNSRegConfig.txt file. It is recommended that you select **Yes**.



12. You should now be ready to install the new version. Click **Install**. The software installation will then begin. There will be several windows appearing and disappearing during this time.



13. After the installation has completed, you will be asked if you want to re-boot. Select **Yes, I want to restart my computer now** and click **Finish**.



4. After the instrument restarts it will boot up in the Instrument account. Choose the N5510 Software icon to launch the user interface.



5. Check for any errors and verify that the new software version is installed. On the top of the menu select, **[Help]**, then **[About]**. This will display the Version number (example: "1.0.4.4").

