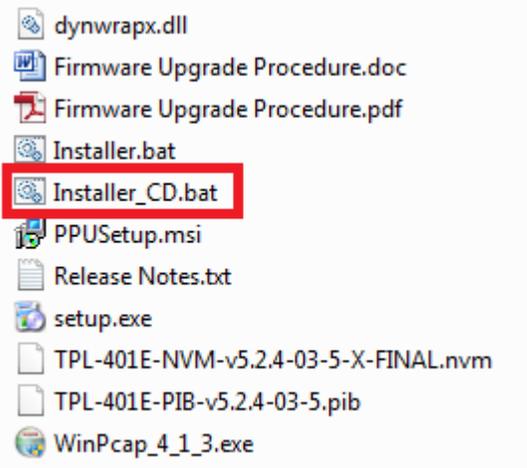


Firmware Upgrade Procedure

Note: You must install and use the Powerline utility application to upgrade the device firmware.

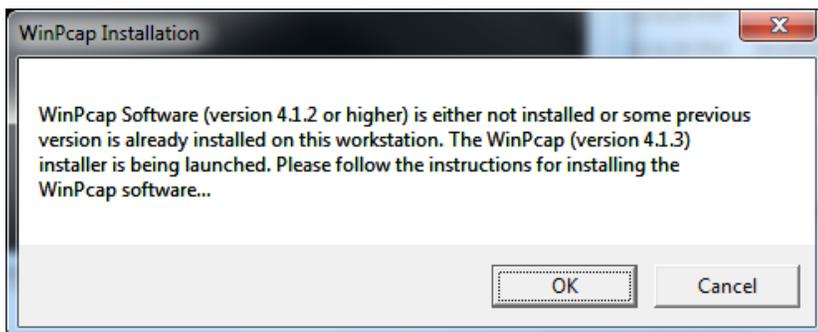
Powerline Utility System Requirements

- Windows® 8.1 (32/64-bit), 8 (32/64-bit), 7 (32/64-bit), Windows Vista (32/64-bit), or Windows XP (32/64-bit)
 - Microsoft® .NET Framework 2.0 installed (Included with CD installation, if you are installing the utility through the CD, please ensure that you have .NET Framework 2.0 installed. If not, please download and install using instructions from the Microsoft® website.)
1. Make sure you connect your PC directly to the powerline device via the network cable when upgrading the device firmware.
 2. Save the zipped firmware file (.zip) to your PC
 3. Extract the .zip file to your PC.
 4. In the folder contents, start the Installation wizard for the Powerline Utility by double-clicking the Installer_CD.bat. Note: The software utility is required in order to upgrade the firmware
If you have already installed the software utility, skip over to Step 13.

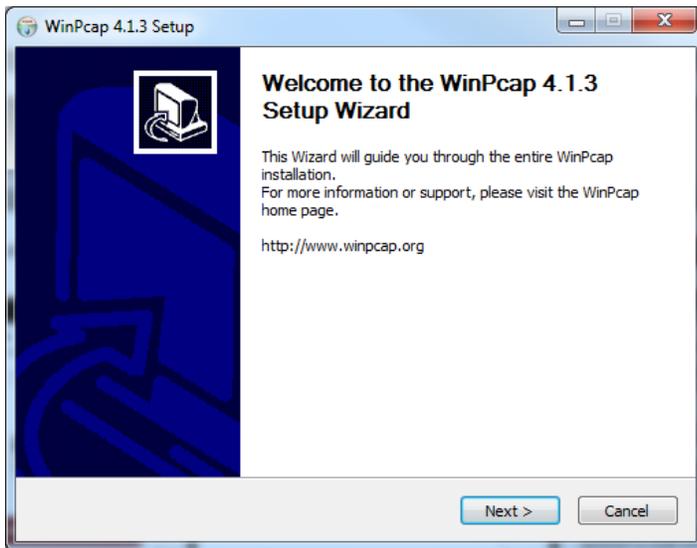


You may receive the following prompt about WinPcap. Click **OK** to continue the installation.

Note: The Powerline Configuration Utility requires the use of the WinPcap application. If you are prompted to install the WinPcap application, continue through the following steps to complete the installation. Otherwise, if you are not prompted to install WinPcap, continue with the installation of the Powerline utility.



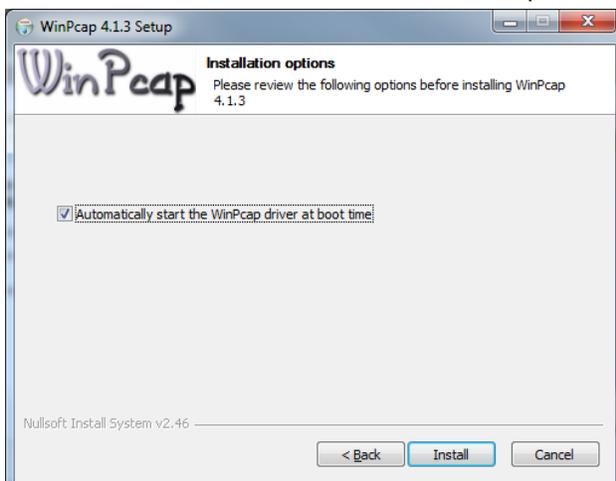
5. At the WinPcap installer window, click Next.



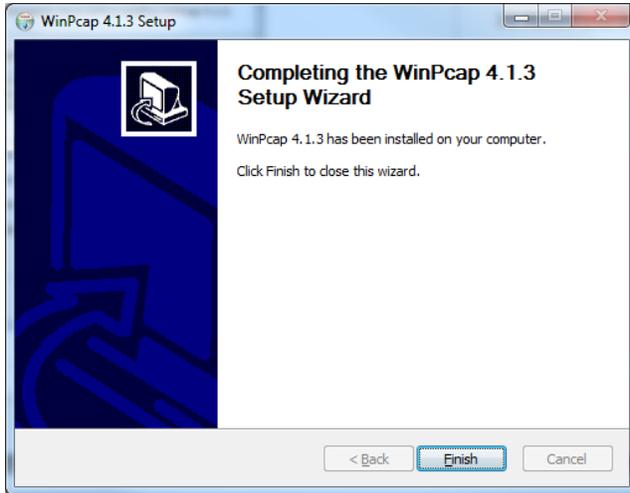
6. In the License Agreement window, click I Agree.



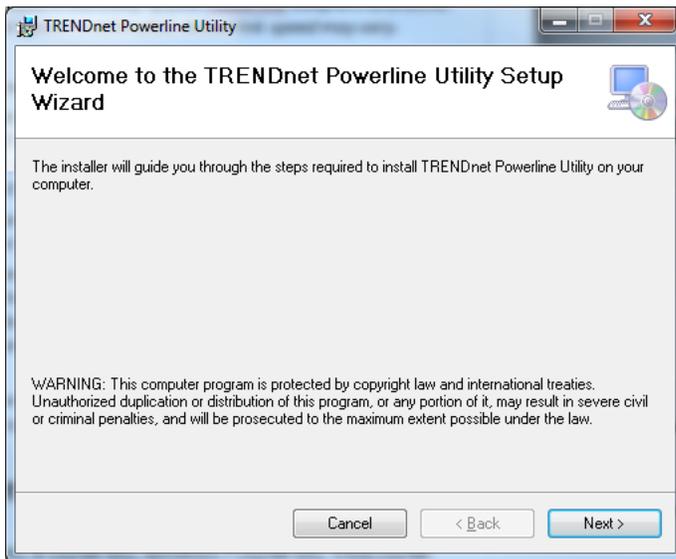
7. In the Install Options window, leave the option Automatically start the WinPcap driver at boot time checked and click Install. Wait for the installation to complete.



8. After the process is completed, click Finish.



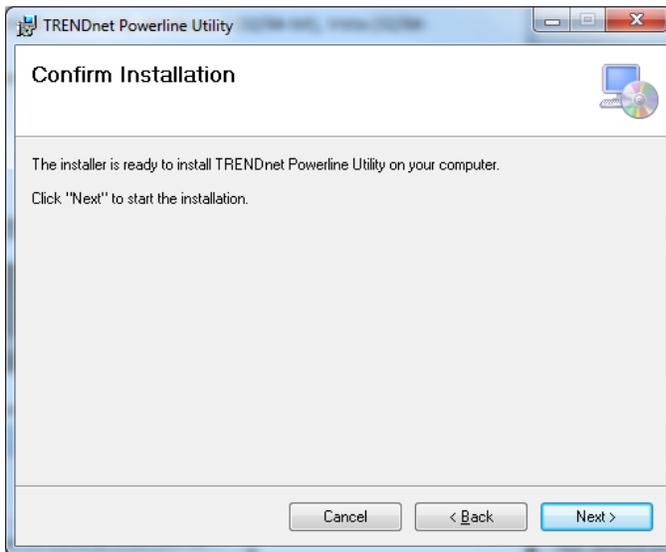
9. At the Powerline Configuration Utility installation window, click Next.



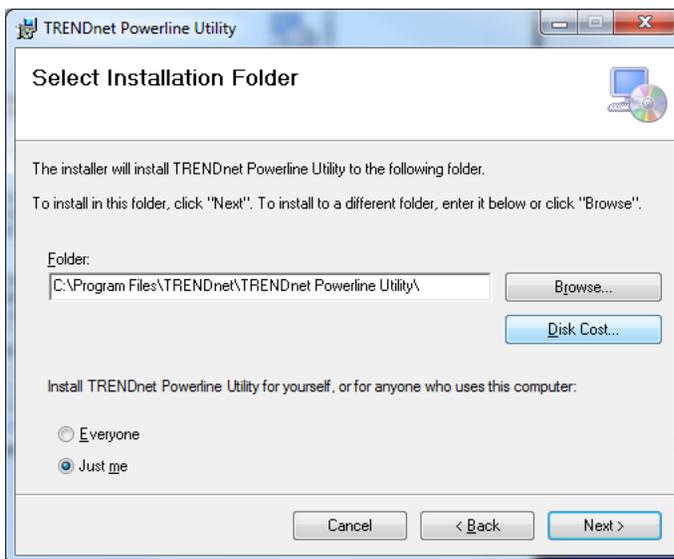
10. Review the terms of the license agreement. If ok, select "I Agree" and click Next.



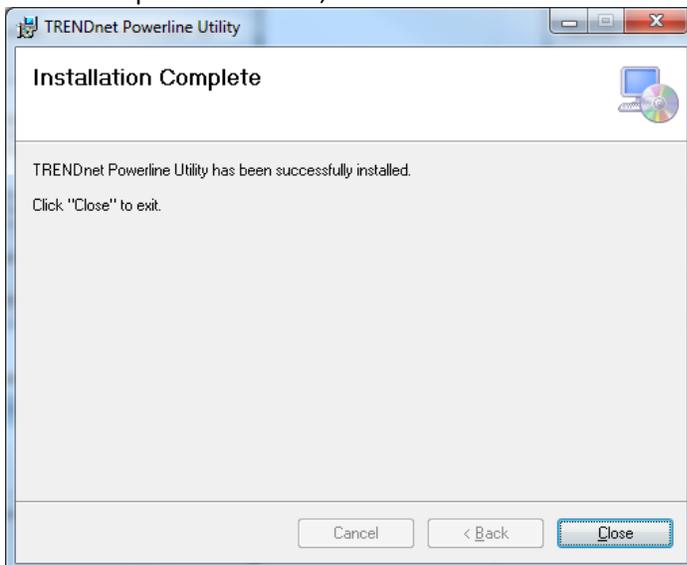
11. Click **Next** to confirm the installation.



12. At the Install Location installation window, click Next.



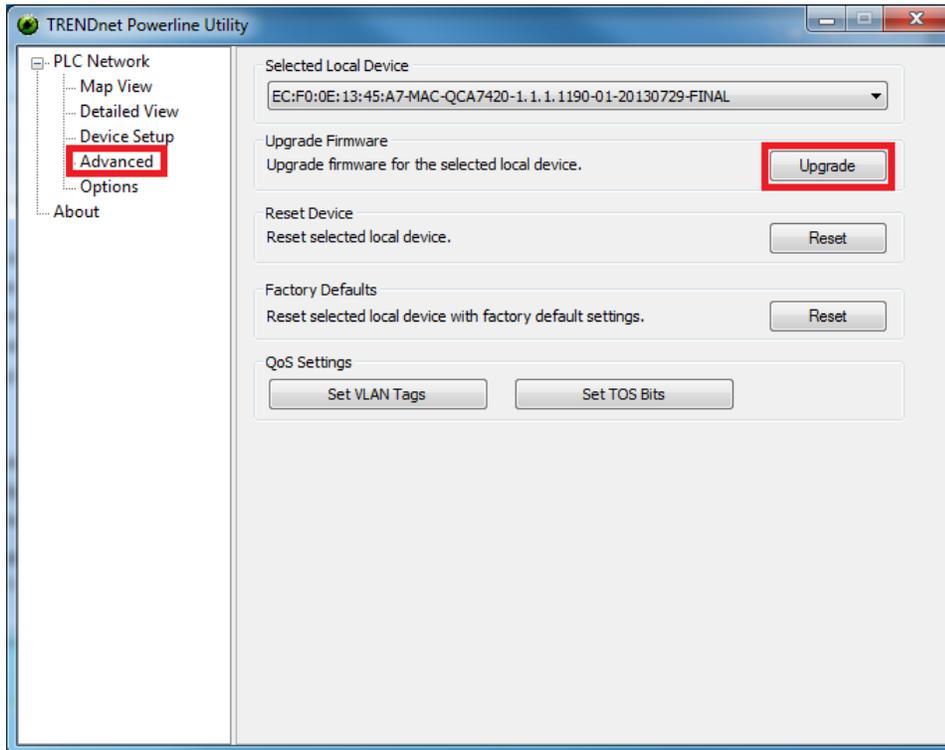
13. In the Completion window, click **Close**.



14. If the utility does not automatically appear, double-click the software utility icon on your desktop.



15. In the utility, click on **Advanced** in the left-hand column and under **Upgrade Firmware**, click **Upgrade**.



16. Navigate to the unzipped folder with the firmware files and select the NVM file.

(Ex. TPL-401E-NVM-v5.2.4-03-5-X-FINAL.nvm)

Important Note: Please make sure to select the correct firmware file.

17. Navigate to the unzipped folder with the firmware files and select the PIB file.

(Ex. TPL-401E-PIB-v5.2.4-03-5.pib)

Important Note: Please make sure to select the correct firmware file.

Wait until the firmware upload completed and the device reboot

Important! Do not turn off the device or press the reset button while this procedure is in progress.