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## CI Virtual Panels Installation Guide

### *System requirements:*

- Operating System:** Microsoft Windows<sup>®</sup> 7/8/8.1/10
- CPU:** Intel<sup>®</sup> Core™ i3 or higher
- RAM:** 4GB or higher
- Free Disk Space:** 1GB (For full installation including drivers)
- Connectivity:** Ethernet 100Base T, USB 2.0

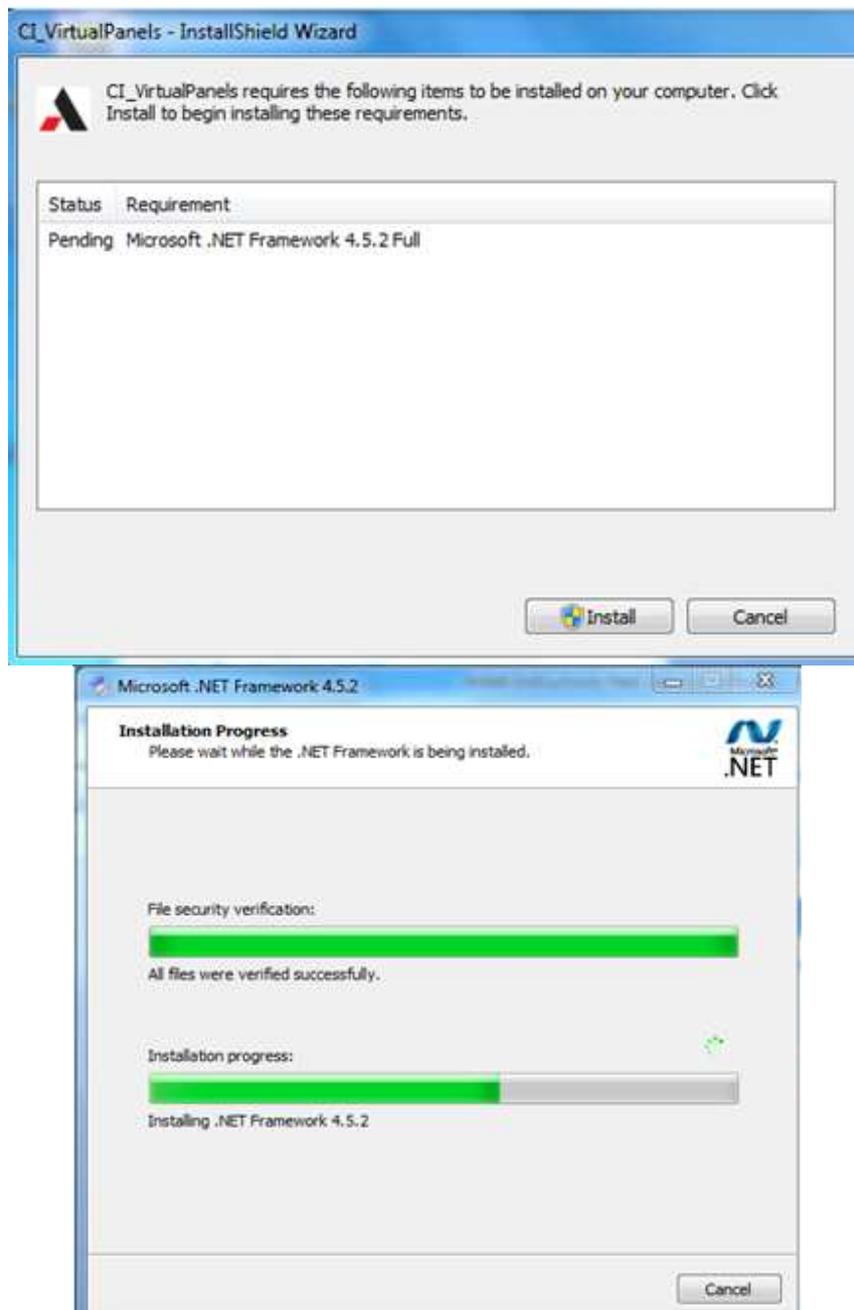
### *Pre-Requisites Software:*

- .NET Framework 4.5 or later
- National Instruments<sup>®</sup> NI-VISA Driver v15.5 or higher
- National Instruments<sup>®</sup> NI-488.2 Driver v14.0 or higher (**Only required if using GPIB**)
- California Instruments<sup>®</sup> USB Driver: cicdc\_12AUG16 (Used for Asterion™)
- California Instruments<sup>®</sup> USB Driver: ciusb\_29NOV16 (Used for CSW, BPS, iX, Rs, Mx, Ls, Lx, CompactiX)
- PDF Document Reader

## *Virtual Panels Installation Instructions*

**IMPORTANT NOTE:** If any previous version of CI Virtual Panels is already installed in your system. This must be uninstalled first before continuing with the installation guide.

1. Run the CI Virtual Panels Installer. If .NET Framework 4.5.2 is not installed the following message window will appear. Click Install.



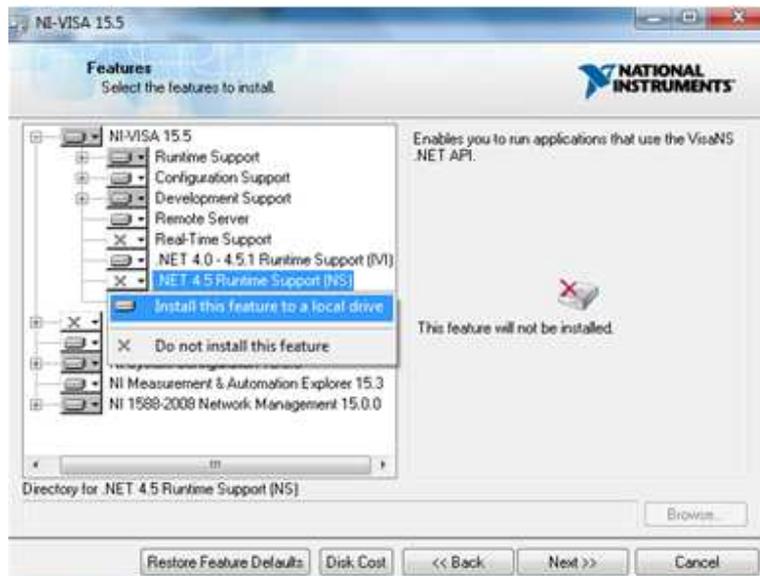
- After successfully installing .NET Framework 4.5.2. The installer will automatically close. Reopen CI Virtual Panel installer and click the link <http://www.ni.com/downloads/drivers/> to download NI-VISA Driver Software 15.5 or later as seen in the image below.  
**IMPORTANT NOTE:** To download NI software a National Instrument account is needed. It is free to create an account. NI VISA 15.5 software is approximately 655mb.



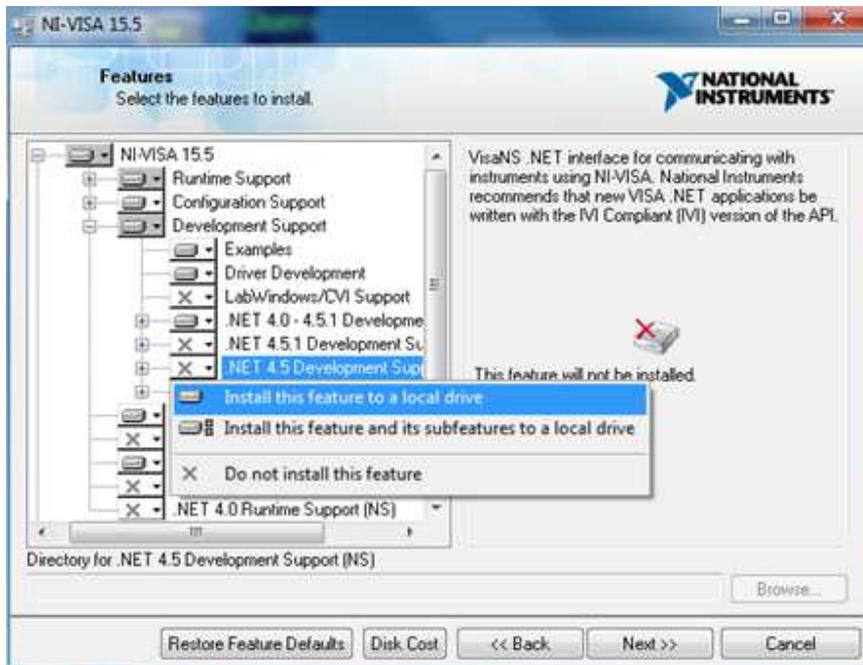
- After downloading NI VISA Driver 15.5 or later. Continue to self-extract and install the software with the following options selection as mentioned below.  
NI-VISA shall act as a common interface between the Power Device and development environments (GUI applications) to support GPIB, Serial, Ethernet and USB.  
**IMPORTANT NOTE:** Please make sure to select the “Install this feature to a local drive” option of “.NET 4.5 Runtime Support (NS)” under NI-VISA 15.5 and Development Support of NI-VISA node in the Feature selection screen.



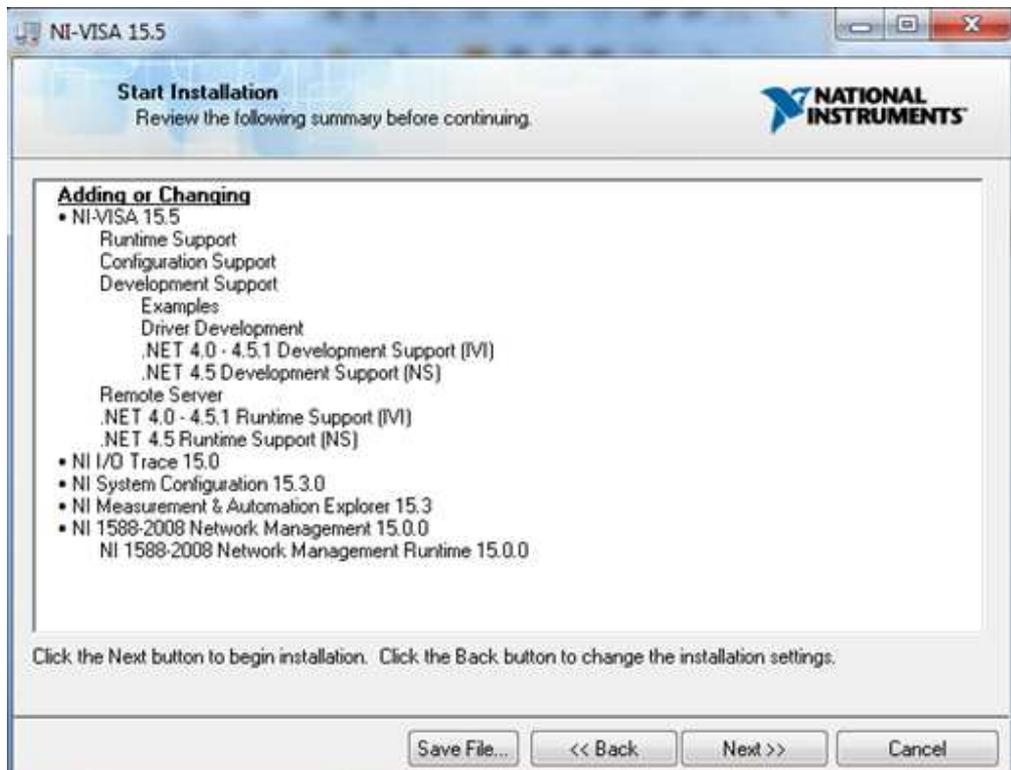
Select the “Install this feature to a local drive” option of “.NET 4.5 Runtime Support (NS)” under NI-VISA 15.5. See image below.



Also select the “Install this feature to a local drive” option of “.Net Framework 4.5 Language support” under **Development Support** of NI-VISA node. (see the image below)



The summary information page is as shown below. Verify and click next to proceed further



Click next and continue with the installation steps with other default selections. It shall take few minutes to complete the installation.

Once the NI-VISA installation is complete, it prompts user for restarting your computer. Please click restart button to re-start the system.



4. After restarting computer rerun the CI Virtual Panel Installer and continue with installation steps.

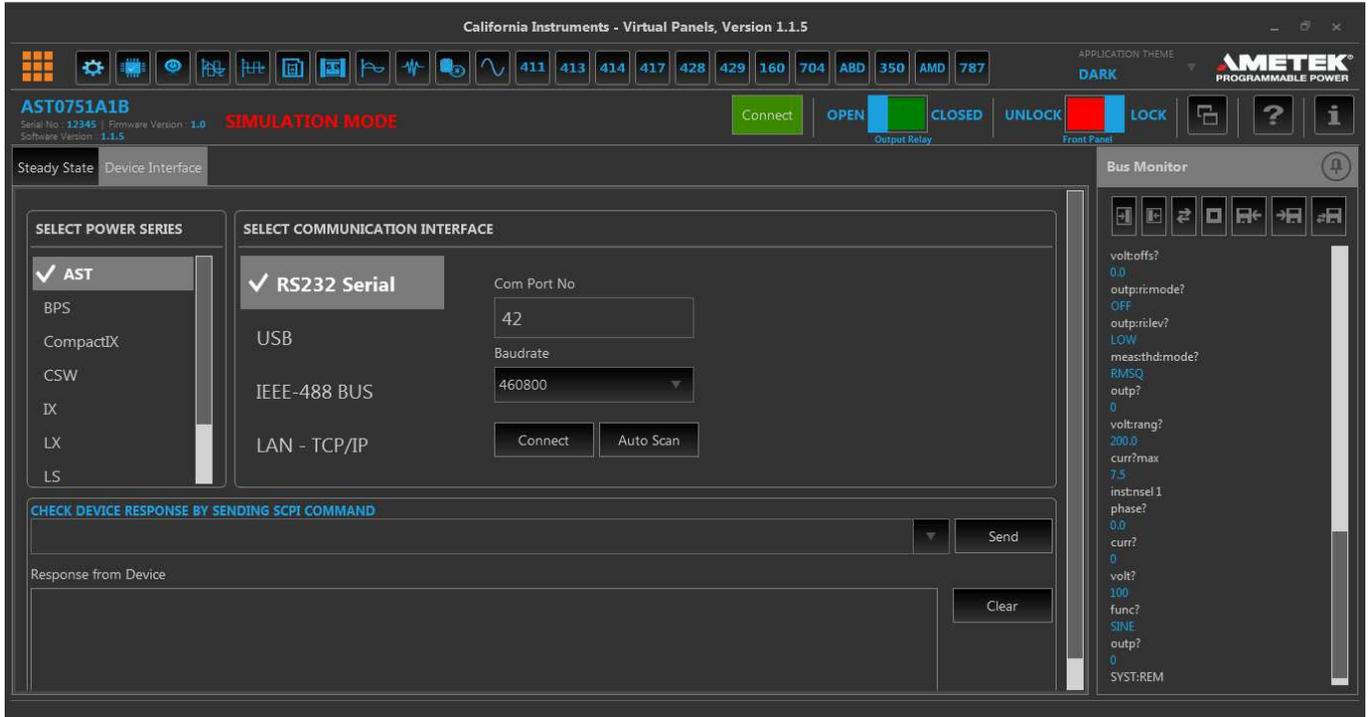




After completing installation, launch the Virtual Panels by clicking on the icon provided on the desktop.



Launching the application for the first time may take some time to come up. Please wait until application screen appears.

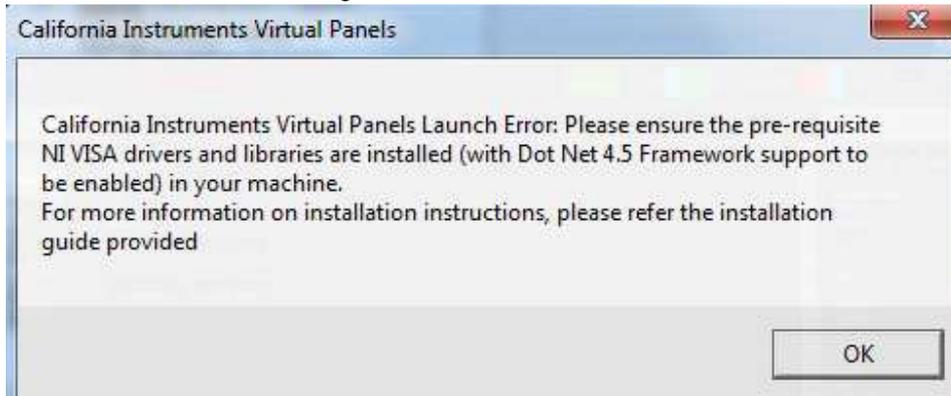


Installation Complete.

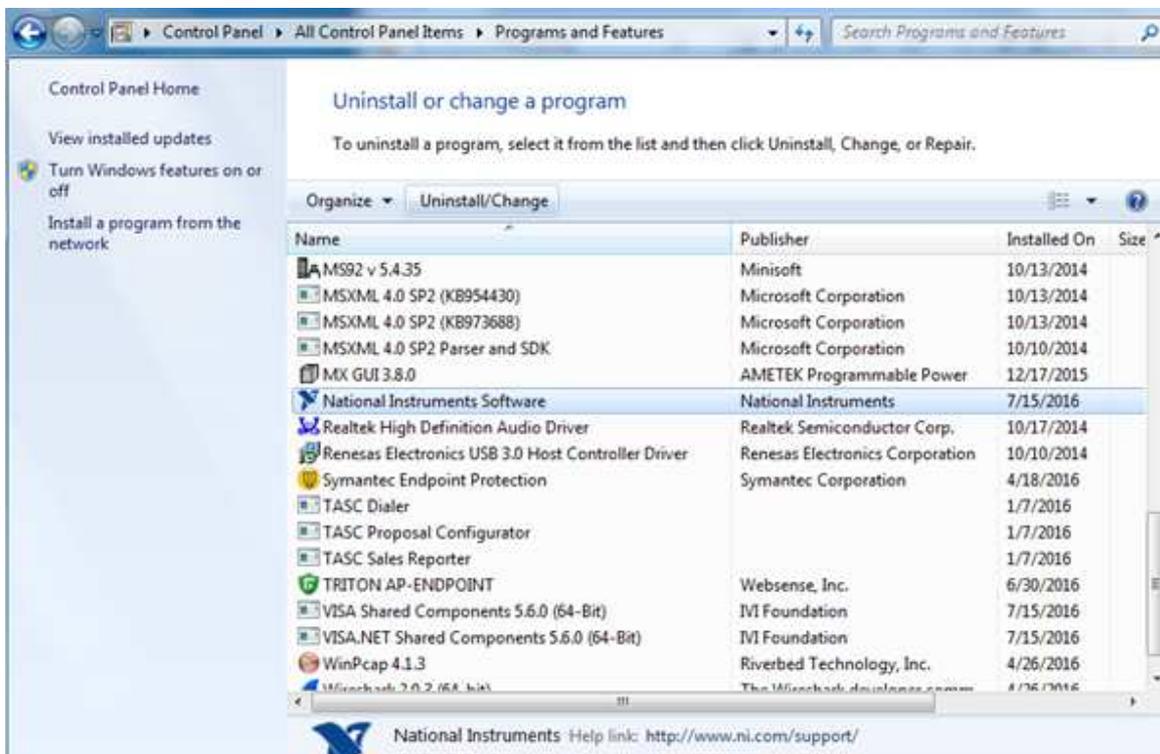
## Troubleshooting Tips

**IMPORTANT NOTE IF VIRTUAL PANELS FAILS TO LAUNCH:**

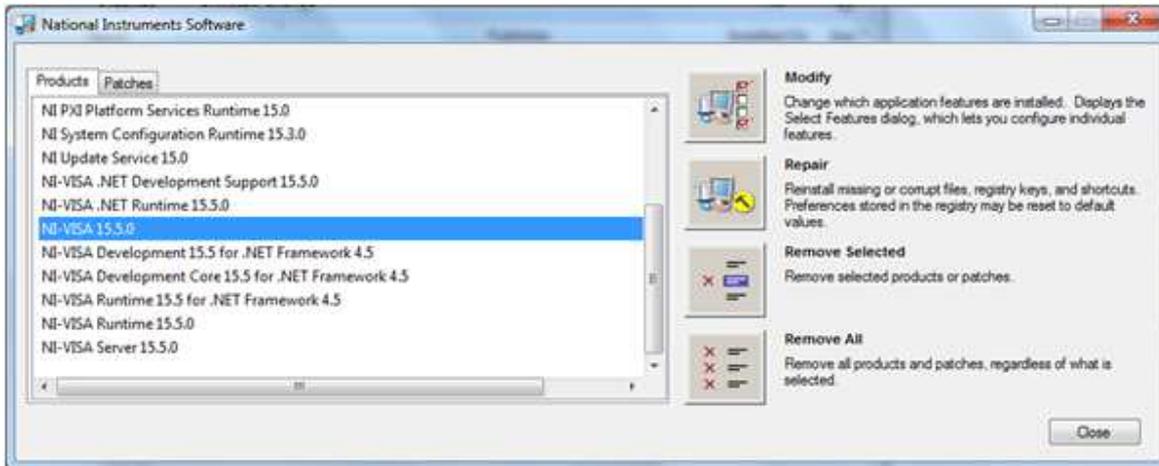
If the Virtual Panels GUI fails to launch or the following message appears below. This likely means the “.NET 4.5 Runtime Support (NS)” under NI-VISA 15.5 and under Development Support of NI-VISA node in the Feature selection screen were not installed during NI-VISA 15.5 installation.



On your computer open “Control Panel”, click “Program and Features” and navigate to “National Instruments Software”. Click Uninstall/Change.



Select “NI-VISA 15.5.0” and click Modify.



Make sure to install “.NET 4.5 Runtime Support (NS)” under NI-VISA 15.5 and under Development Support of NI-VISA node in the Feature selection screen. See instructions in step 3 to perform this.

## ***USB Virtual COM Port Driver Installation for Windows 7, 8, and 10***

USB Virtual COM Port Driver is available at our website here:

Asterion: <http://www.programmablepower.com/ac-power-source/AsterionAC-1U/Downloads.htm>

CSW: <http://www.programmablepower.com/ac-power-source/CSW/Downloads.htm>

MX: <http://www.programmablepower.com/ac-power-source/MX/Downloads.htm>

RS: <http://www.programmablepower.com/ac-power-source/RS/Downloads.htm>

iX: <http://www.programmablepower.com/ac-power-source/i-iX-Series-II/Downloads.htm>

BPS: <http://www.programmablepower.com/ac-power-source/BPS/Downloads.htm>

Ls/Lx: <http://www.programmablepower.com/ac-power-source/Ls-Lx/Downloads.htm>

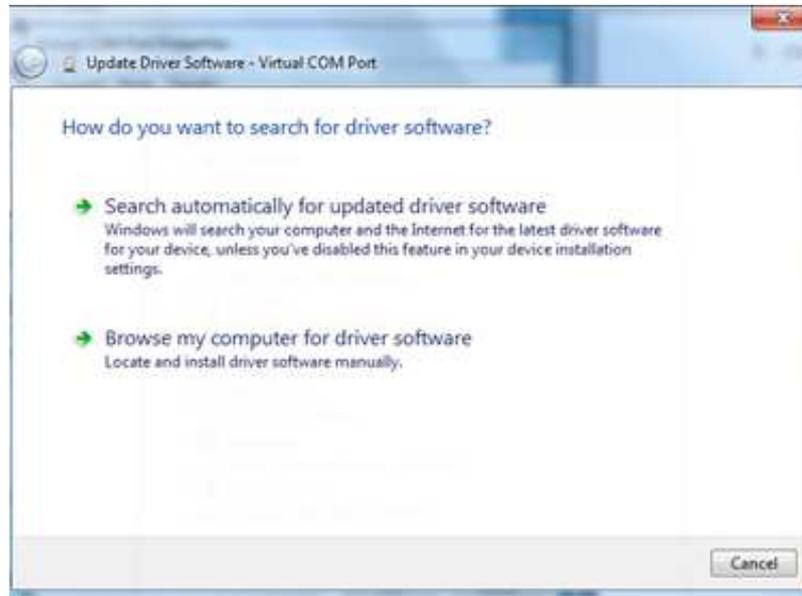
CompactiX: <http://www.programmablepower.com/ac-power-source/Compact-iX-Series/Downloads.htm>

### **USB Driver Installation for Asterion**

1. Connect USB cable from computer to Asterion USB connector on the rear panel.
2. Turn ON Asterion unit and open Device Manager on PC.
3. In Device Manager window under “Other Devices” there will be a “Virtual COM Port” with an exclamation point.



4. Right click “Virtual COM Port” and click Update Driver Software. Select “Browse my computer for driver software”



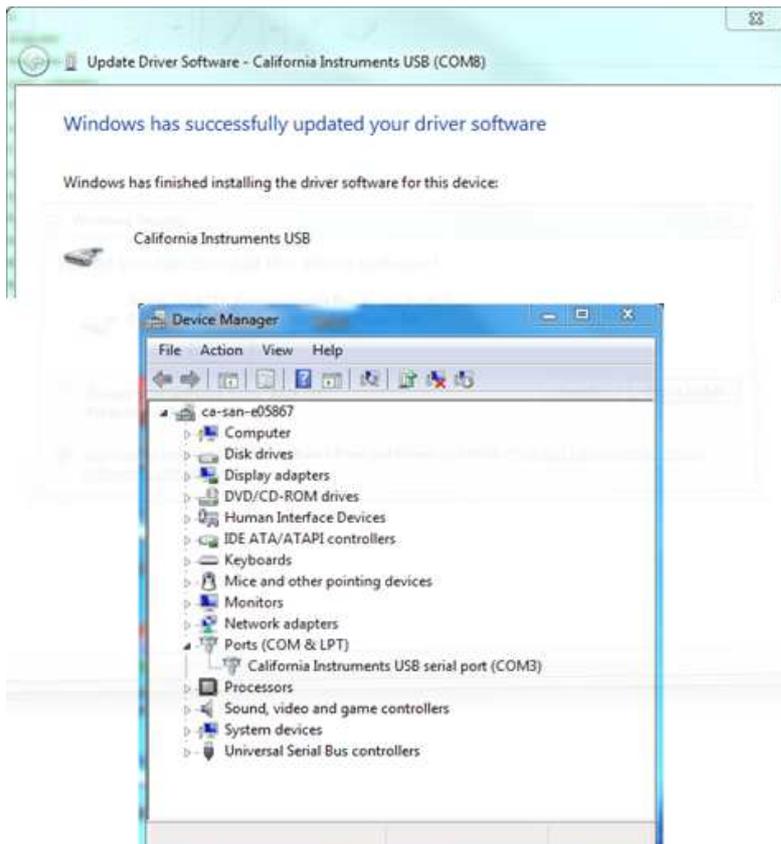
5. Browse for the folder “cicdc\_12JAUG16”. Click Next.



6. Windows Security message will appear. Click Install.

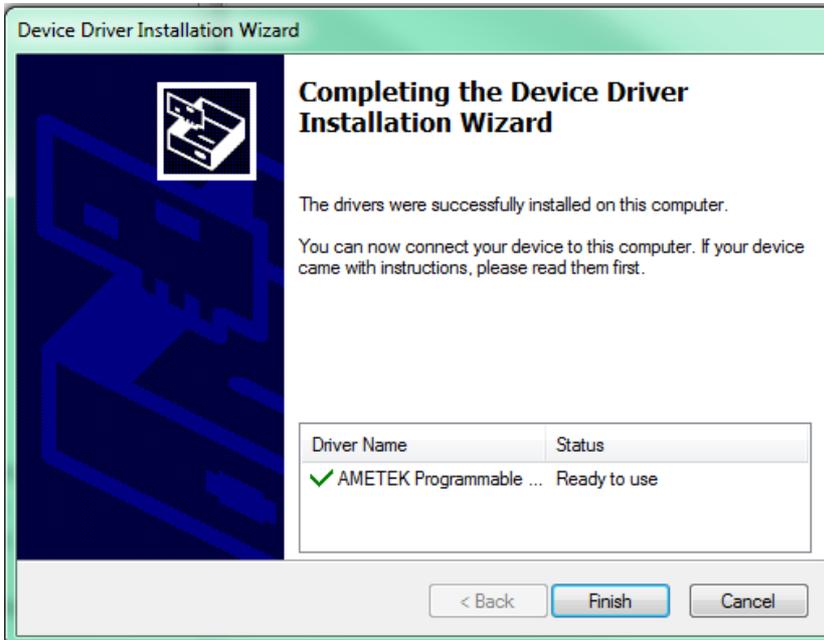
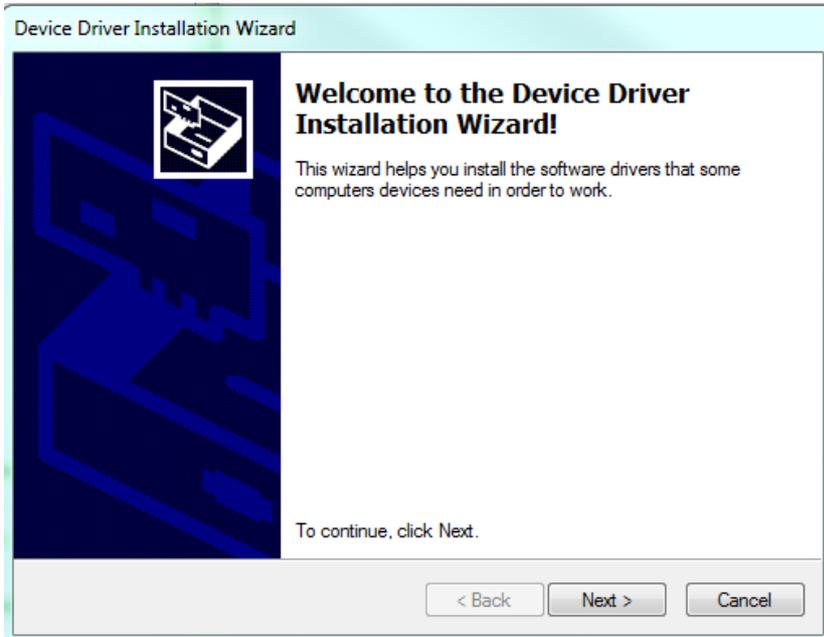


7. After driver is installed unit will now be identified with COM Port number in the Device Manager screen as “California Instruments USB serial port (COMXX)”.



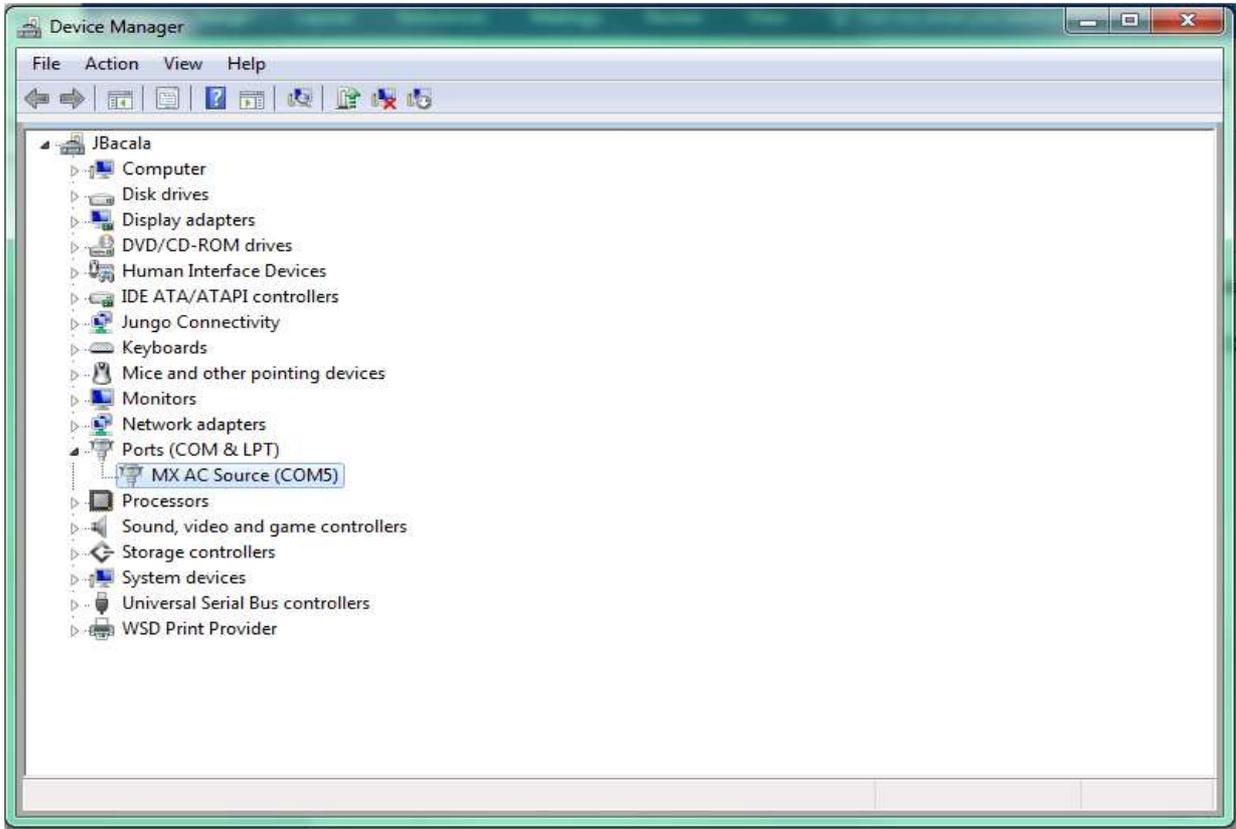
## USB Driver Installation for MX, RS, iX, BPS, CSW, LsLx, Compact iX

1. Open run the “ciusb\_29NOV16.exe” file.
2. In Device Driver Installation Wizard click next through the prompts



3. Connect USB cable from computer to device USB connector on the rear panel.

4. Turn ON device and open Device Manager on PC.
5. In Device Manager window under “Ports” verify COM port appears for device connected.



## Technical Support for Virtual Panels

For technical support or to report bugs and feedback, please contact AMETEK Programmable Power at:

Email: [ci.ppd@ametek.com](mailto:ci.ppd@ametek.com)

URL: [http://www.programmablepower.com/support/support\\_CallInst.htm](http://www.programmablepower.com/support/support_CallInst.htm)

Telephone: +1.858.450.0085

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