

Installing LabVIEW for FRC 2014

Note: This installation is for teams programming in LabVIEW or using NI Vision Assistant only. C++ and Java teams not using these features do not need to install from the DVD.

OPTIONAL - Download installer

The installer for LabVIEW for FRC 2014 have been posted online this year in addition to the DVD. You can download the installer from <http://www.ni.com/download/labview-for-frc-14.0/4515/en>, unzip the download then proceed with the installation instructions in this document.

OPTIONAL - Copy Disc contents to local drive

If you wish to speed up the usage of the DVD to pass to others for installation or minimize the risk of DVD drive errors stalling or aborting the installation process, you may copy the contents of the DVD to a local hard disk or external drive before beginning the installation. The entire contents of the disk may be copied using Windows file copy tools, you do not need to copy the disk as an ISO then mount it. To begin the installation after copying, locate the Autorun.exe file in the root folder and double click it to launch the installer.

Launch installer

Open My Computer and double click on the DVD drive to launch the installer.

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Select installation option



If prompted to allow changes click Yes. To install LabVIEW to program your FRC robot, click the top option **Install Everything for LabVIEW Development**. To install only NI Vision Assistant for use with C++ or Java, click **Install Only NI Vision Development Module**.

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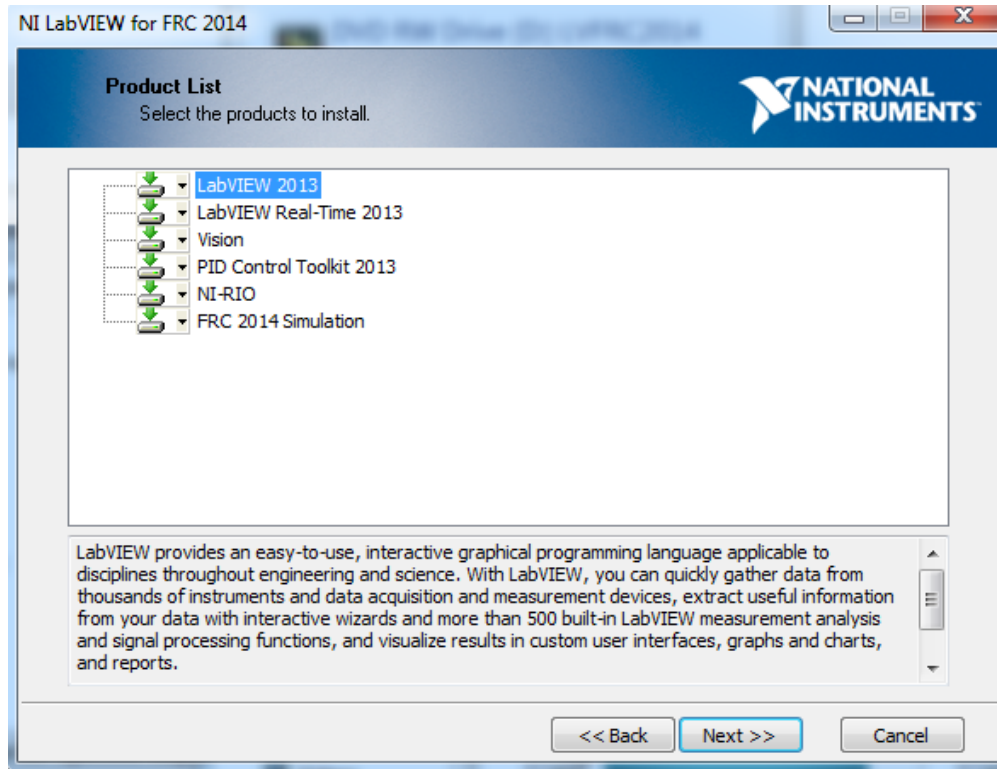
Installer warnings



Click **Next** to advance

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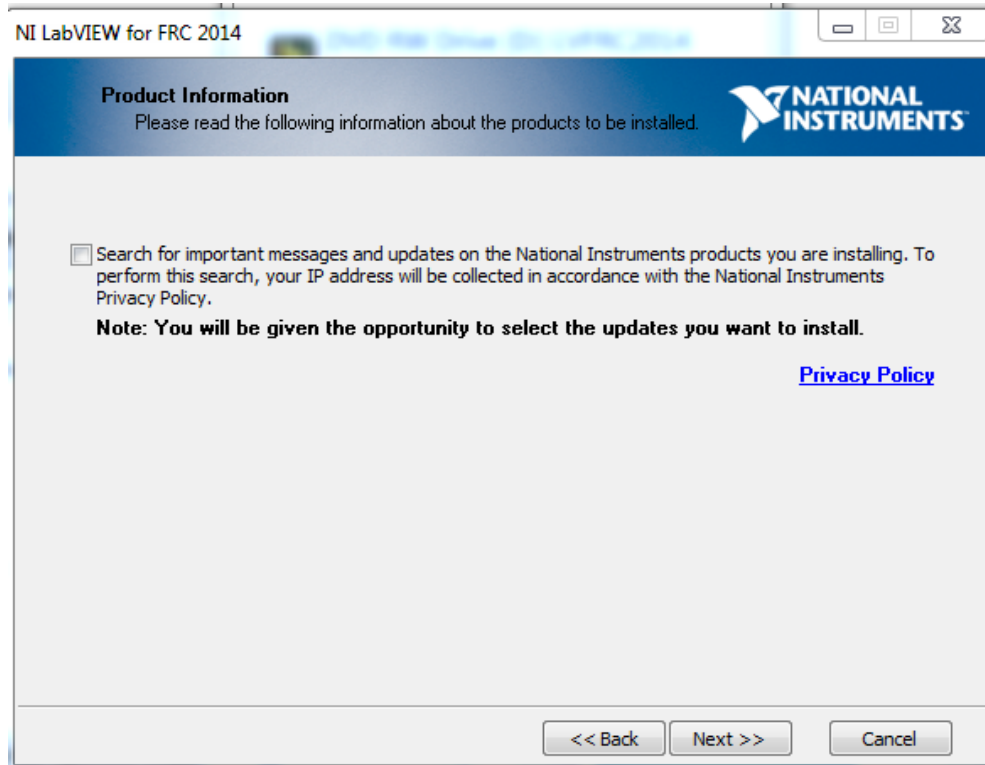
Product Selection



On the Product Selection screen, Click **Next** to advance.

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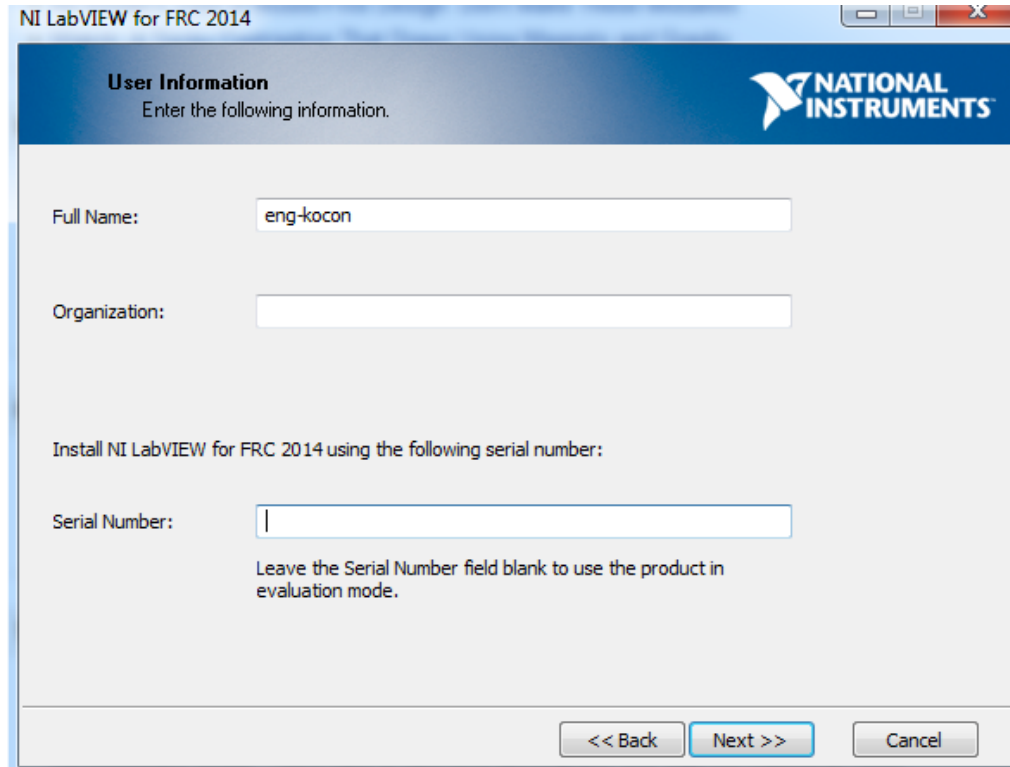
Search for Updates



Uncheck the box to search for updates, then click Next.

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Serial number

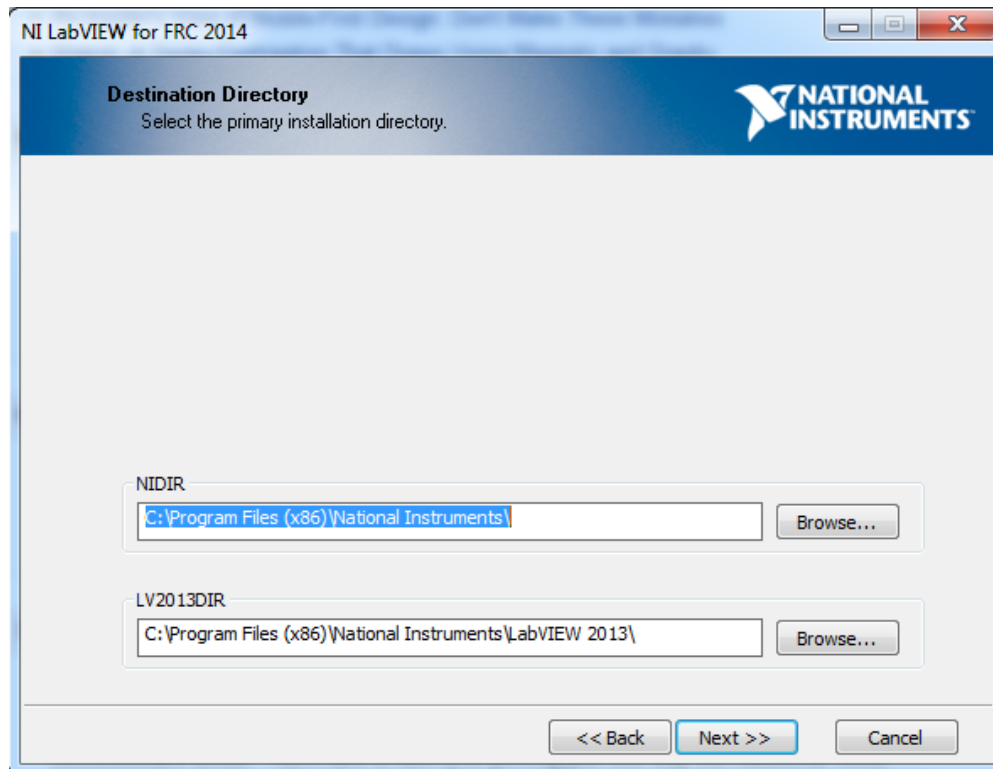


The image shows a Windows-style dialog box titled "NI LabVIEW for FRC 2014". The dialog has a blue header bar with the text "User Information" and "Enter the following information." on the left, and the National Instruments logo on the right. The main area is light gray and contains three input fields: "Full Name:" with the text "eng-kocon" entered, "Organization:" which is empty, and "Serial Number:" which is also empty. Below the "Serial Number:" field, there is a note: "Leave the Serial Number field blank to use the product in evaluation mode." At the bottom of the dialog, there are three buttons: "<< Back", "Next >>" (which is highlighted with a blue border), and "Cancel".

On the User Information screen, enter your desired name and Organization name, then enter your team's 2014 Serial Number, found on the DVD in your Kit of Parts. You may use this serial number for multiple installations. Click **Next** to advance.

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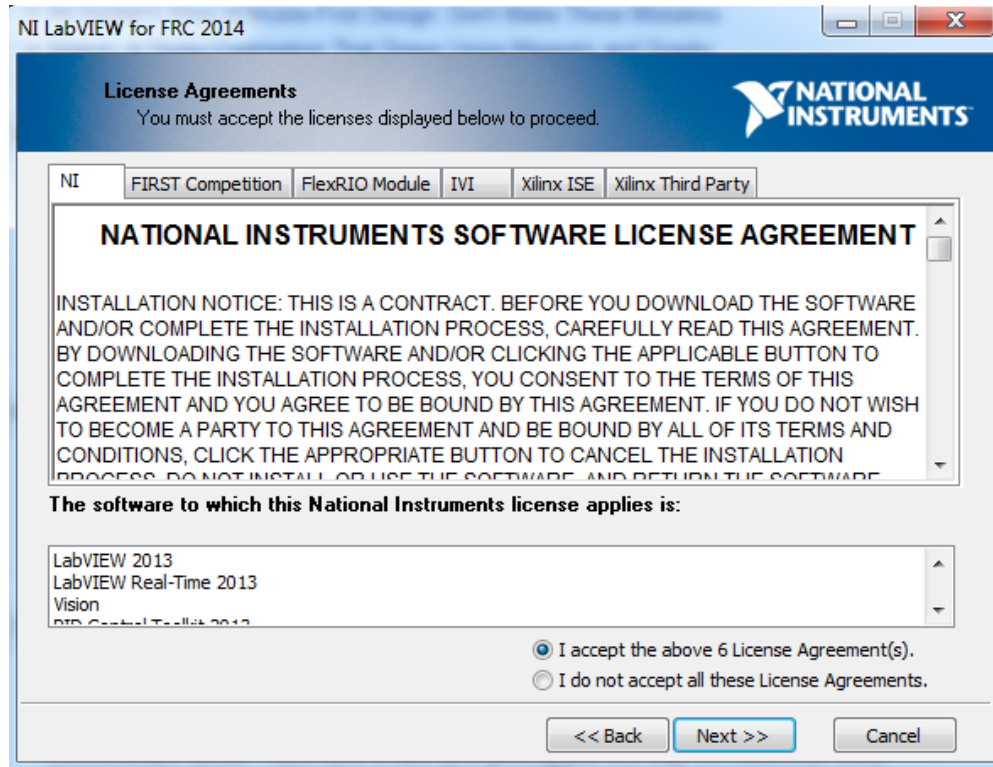
Installation Location



Click **Next** to accept the default installation location.

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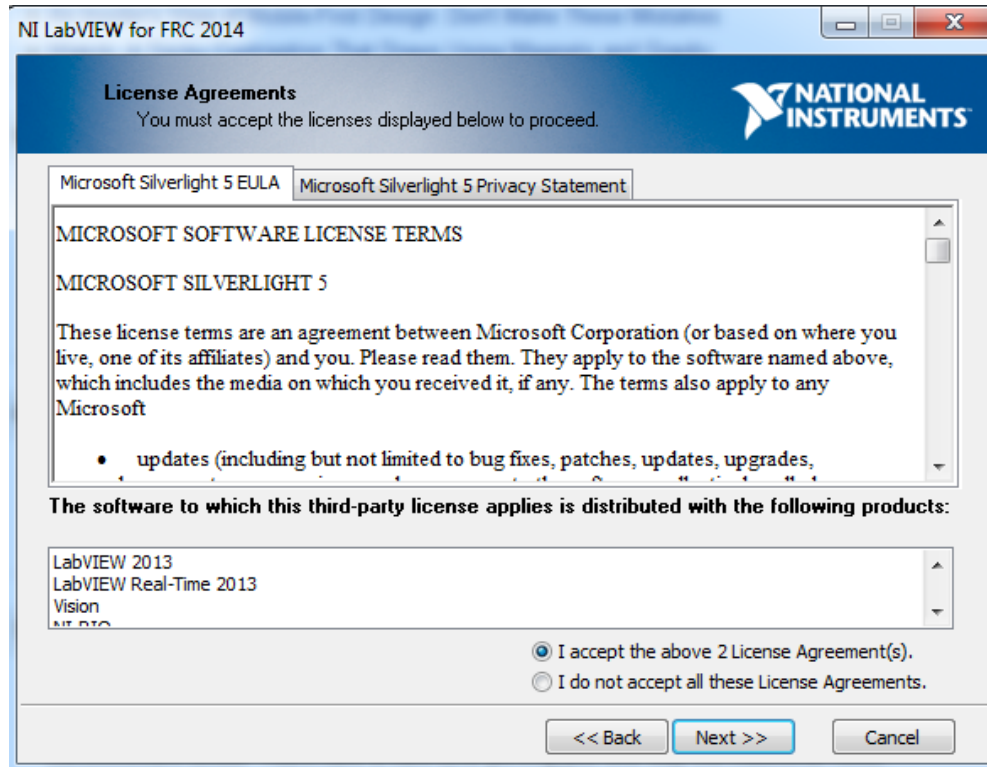
License Agreements



Click I accept... to accept the displayed license agreements, then click **Next** to continue.

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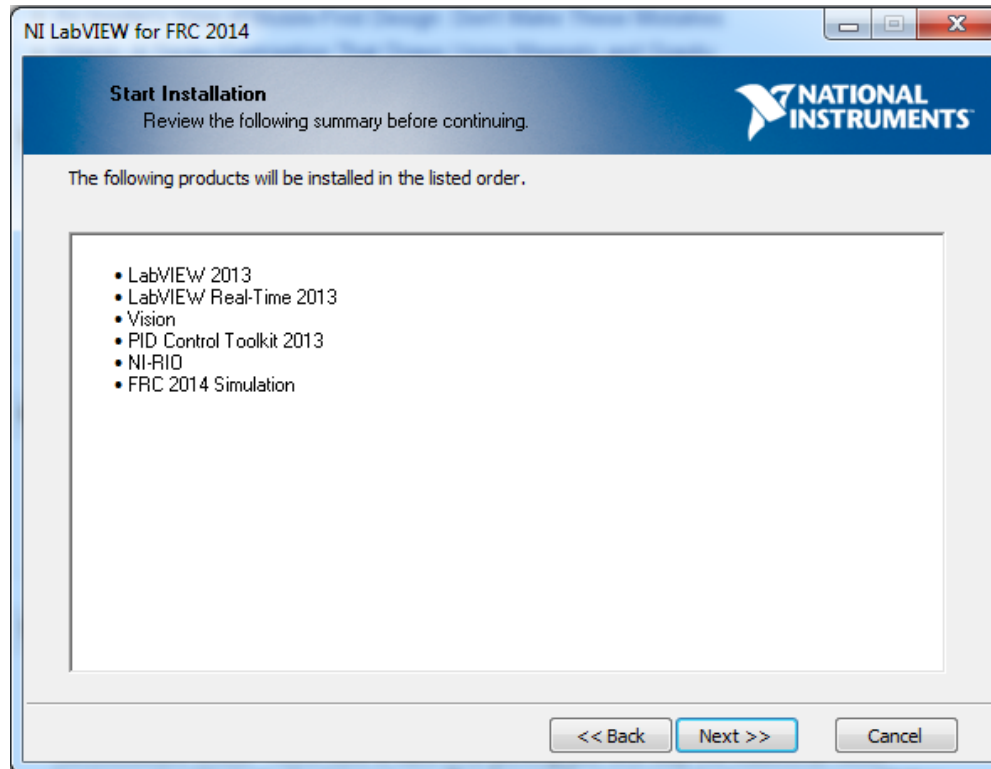
License Agreements 2



Click I accept... to accept the displayed license agreements, then click **Next** to continue.

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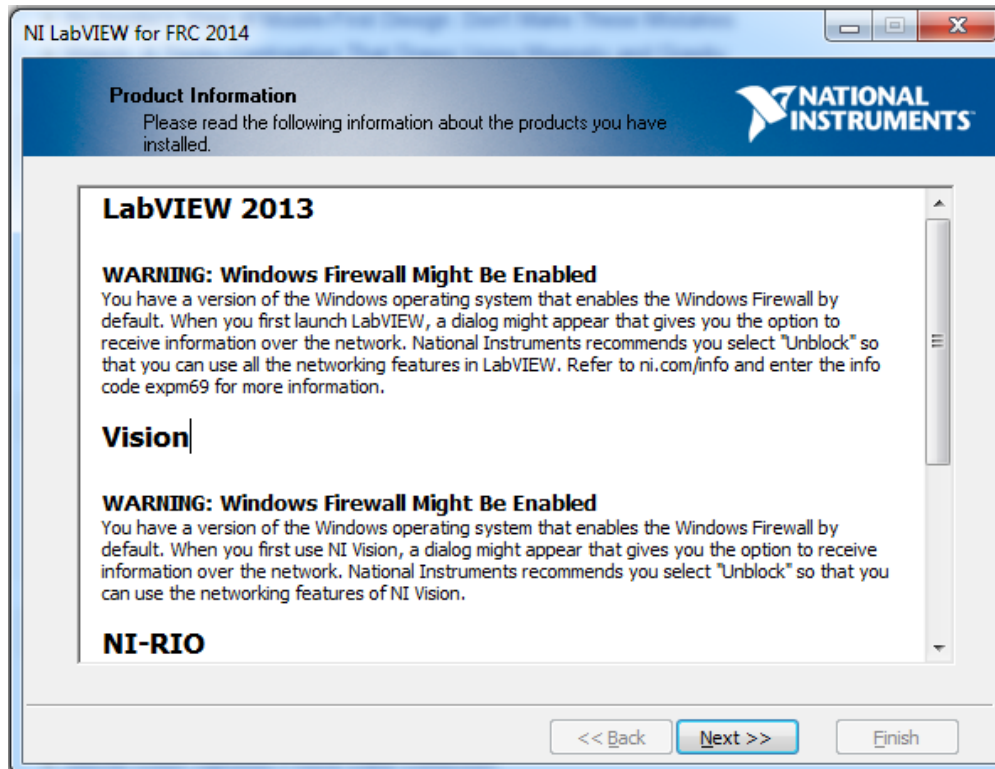
Installation Overview



Click **Next** to start the installation.

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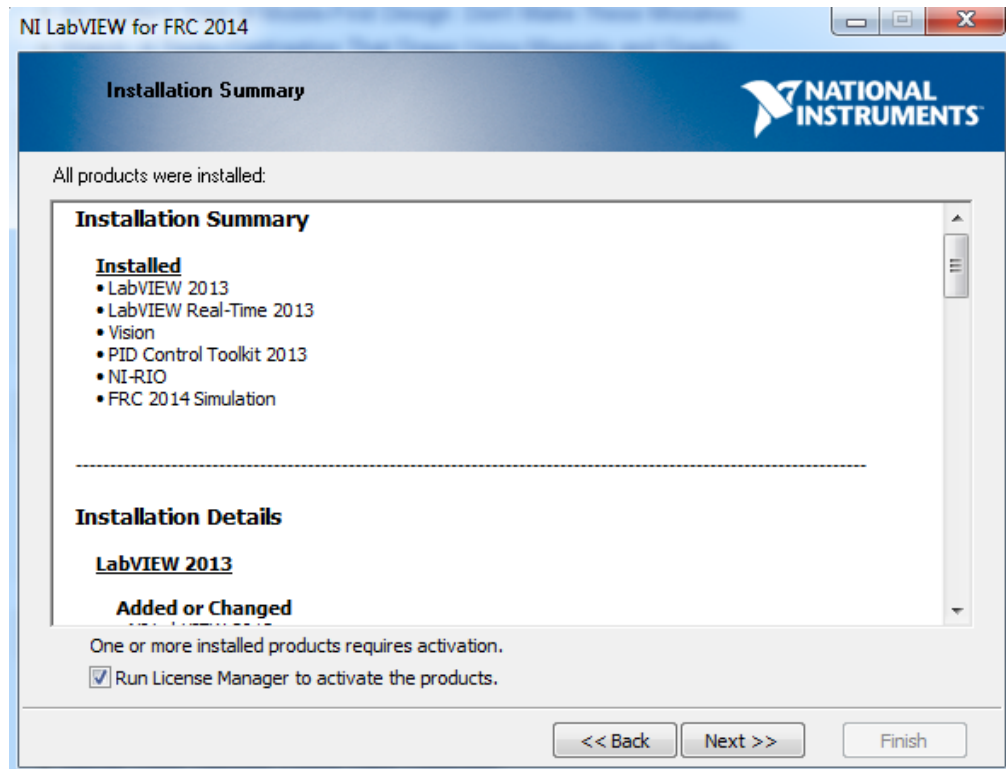
Firewall Warnings



Click Next to advance through the product warnings.

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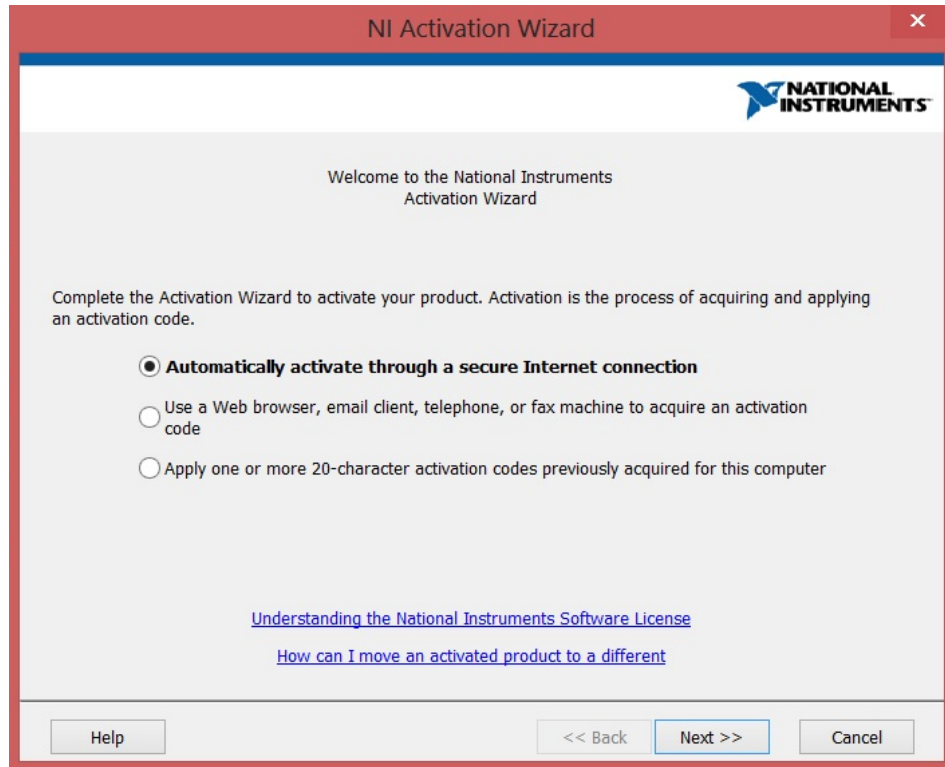
License Manager



Make sure the box is checked to Run License Manager then click Next.

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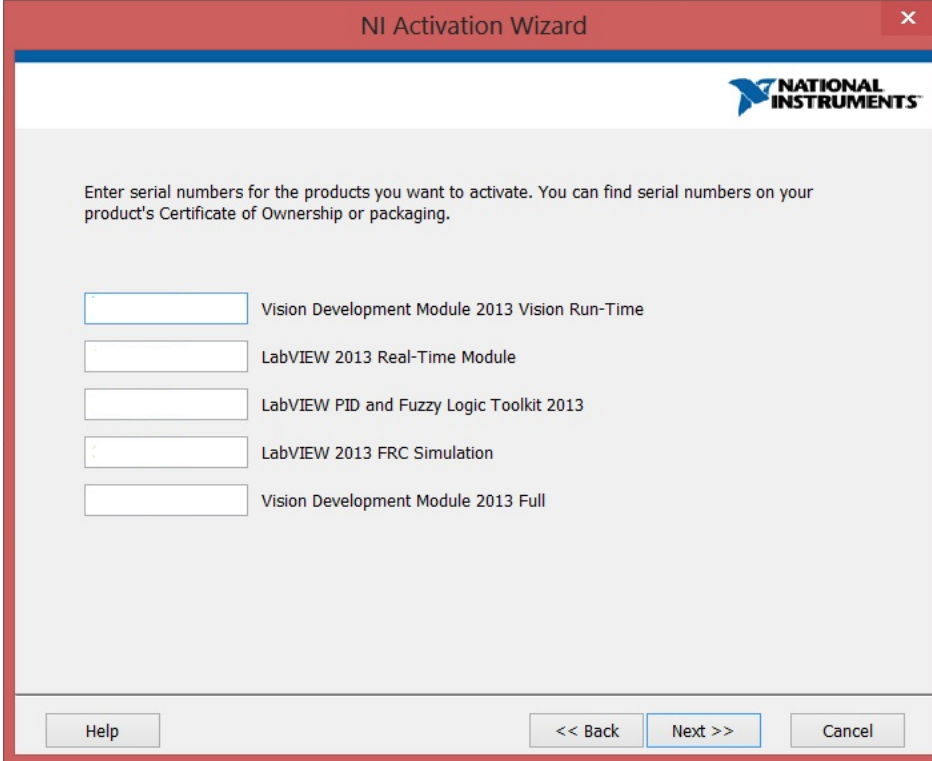
Activation Options



Select your desired activation option and click **Next**. The easiest option and the one detailed in this document is to **Automatically activate...** Make sure your computer has an active internet connection before advancing using this option.

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Serial Number Confirmation

The image shows a screenshot of the 'NI Activation Wizard' window. The window has a red title bar with the text 'NI Activation Wizard' and a close button. The main area is white with the National Instruments logo in the top right corner. Below the logo, there is a text prompt: 'Enter serial numbers for the products you want to activate. You can find serial numbers on your product's Certificate of Ownership or packaging.' Below this text, there are five input fields, each followed by a product name: 'Vision Development Module 2013 Vision Run-Time', 'LabVIEW 2013 Real-Time Module', 'LabVIEW PID and Fuzzy Logic Toolkit 2013', 'LabVIEW 2013 FRC Simulation', and 'Vision Development Module 2013 Full'. At the bottom of the window, there are three buttons: 'Help', '<< Back', and 'Next >>', and a 'Cancel' button on the far right.

NI Activation Wizard

NATIONAL INSTRUMENTS

Enter serial numbers for the products you want to activate. You can find serial numbers on your product's Certificate of Ownership or packaging.

Vision Development Module 2013 Vision Run-Time

LabVIEW 2013 Real-Time Module

LabVIEW PID and Fuzzy Logic Toolkit 2013

LabVIEW 2013 FRC Simulation

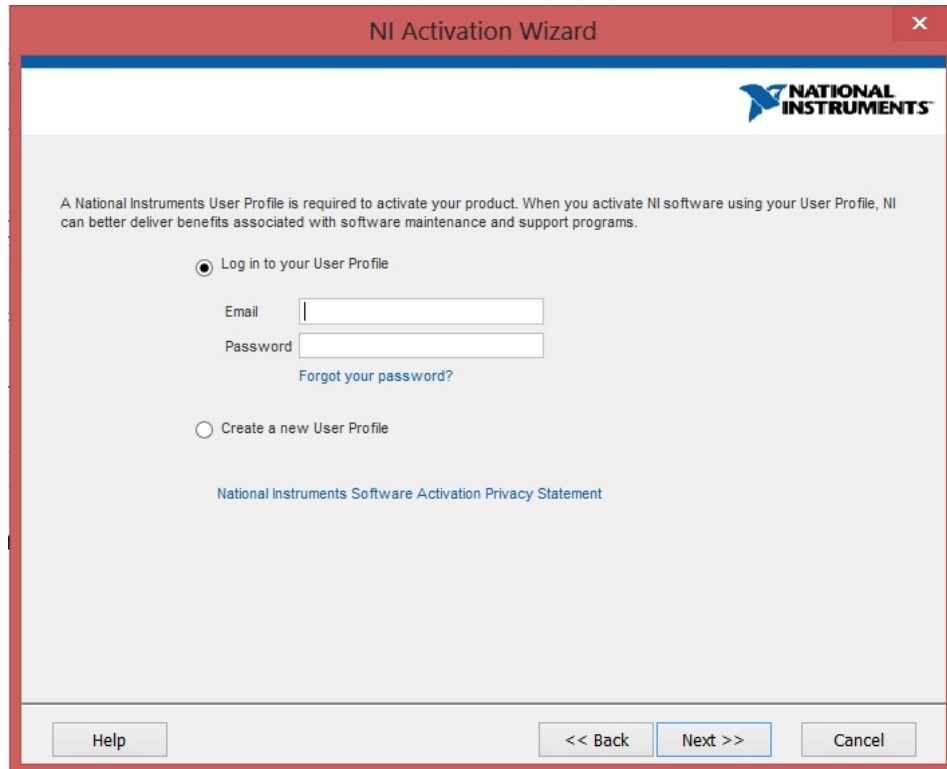
Vision Development Module 2013 Full

Help << Back Next >> Cancel

The Serial Numbers for each of the products displayed should already be entered but if any box is blank, enter the serial number from the DVD included in your Kit of Parts. Then click **Next**.

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NI Profile



The image shows the 'NI Activation Wizard' dialog box. It has a red title bar with the text 'NI Activation Wizard' and a close button. The main area is white with the National Instruments logo in the top right. Below the logo, there is a paragraph of text: 'A National Instruments User Profile is required to activate your product. When you activate NI software using your User Profile, NI can better deliver benefits associated with software maintenance and support programs.' There are two radio buttons: 'Log in to your User Profile' (selected) and 'Create a new User Profile'. Under the first option, there are input fields for 'Email' and 'Password', and a link 'Forgot your password?'. Under the second option, there is a link 'National Instruments Software Activation Privacy Statement'. At the bottom, there are three buttons: 'Help', '<< Back', and 'Next >>', and a 'Cancel' button.

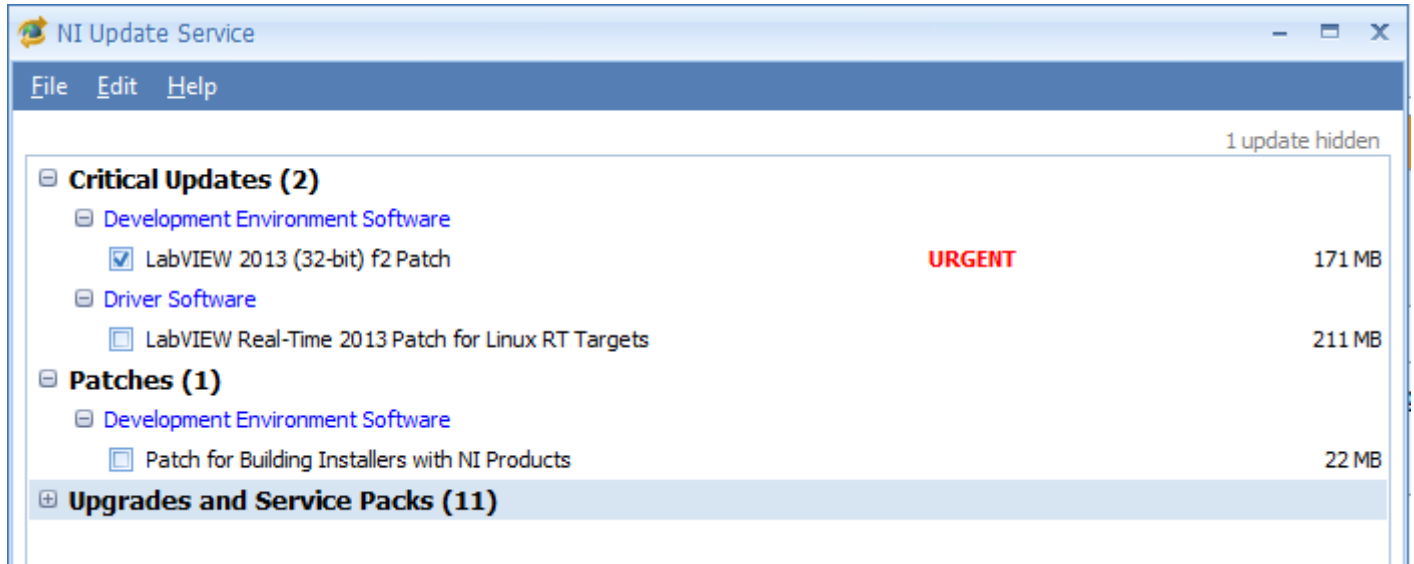
Enter your NI.Com profile information and click **Next** or select the button to create a new profile and follow the prompts. Note that one profile may be associated with more than one installation of the LabVIEW software (meaning a single mentor can create an account and use that information on each install for that team).

Reboot

If prompted, reboot your computer to complete the installation process.

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NI Update Service



On occasion you may see alerts from the NI Update Service about patches to LabVIEW. The majority of these updates are patches to functionality of LabVIEW not typically used in FRC (even those marked as critical or urgent). You are welcome to click the links for the patch notes and choose to install some or all of these patches, however **FRC will communicate any recommended updates through our usual channels** (Frank's Blog, Team Updates or E-mail Blasts).