

# LabVIEW SoftMotion™ Module 2014 f1 Readme

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This document contains information to introduce you to the LabVIEW SoftMotion Module including installation information, a list of changes in this version of SoftMotion, and information about known issues for this version of SoftMotion.

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## Overview

The LabVIEW SoftMotion Module allows you to use the LabVIEW project to configure and test your motion axis settings, tune your servo motors, program deterministic motion profiles, create custom motion applications, and simulate your designs created in SolidWorks.

**Note:** Refer to the [SoftMotion Selection Guide](#) at [zone.ni.com](http://zone.ni.com) for a description of the different NI SoftMotion Module packages available.

## System Requirements

You can run the LabVIEW SoftMotion Module 2014 f1 installer on the following operating systems:

- Windows 8.1/8/7/Vista
- Windows XP Service Pack 3 (32-bit)
- Windows Server 2003 R2 (32-bit)
- Windows Server 2008 R2 (64-bit)
- Windows Server 2012 R2 (64-bit)

The LabVIEW SoftMotion Module runs as a 32-bit application on all operating systems.

**Note:** Support for Windows Server 2003 R2 may require disabling physical address extensions (PAE). To learn how this might affect your use of Windows Server 2003 and what actions you might have to take, visit [ni.com/info](http://ni.com/info) and enter the info code *PAESupport*.

The LabVIEW SoftMotion Module does not support Windows 2000/NT/Me/98/95, Windows XP x64, or the Windows Server non-R2 editions.

To run the LabVIEW SoftMotion Module, National Instruments recommends that your system meet the following requirements in addition to the minimum requirements for the LabVIEW Development System for Windows:

- 2 GB of memory if using SoftMotion for SolidWorks
- 250 MB of free disk space

The SoftMotion Module is compatible with the following National Instruments software.

- LabVIEW 2014 Base, Full, or Professional Development System (32-bit)
- LabVIEW 2014 Real-Time Module
- LabVIEW 2014 FPGA Module
- NI-RIO Device Drivers August 2014
- NI-Industrial Communications for EtherCAT® 2014

**Note** To use SoftMotion for SolidWorks you must have SolidWorks 2009 SP2.1 or later.

## Installation Instructions

### Downloading the LabVIEW SoftMotion Module 2014 f1 from the Web

Complete the following steps to download and install the LabVIEW SoftMotion Module 2014:

1. Download the `LabVIEWSoftMotionModule2014f1.exe` file from [ni.com/updates](http://ni.com/updates), and then run it.
2. Follow the onscreen instructions.

**Note** (Windows 8.1/8/7/Vista) Users may see access and security messages during installation. Accept the prompts to complete the installation.

3. When the installer completes, a dialog box appears that asks if you want to restart, shut down, or restart later. Select **Restart**.

### LabVIEW SoftMotion Module Updates and Notifications

National Instruments releases critical software updates after product release using the NI Update Service. Visit [ni.com/info](http://ni.com/info) and enter [updates](#) to view a list of all currently available updates.

National Instruments provides notification of certain critical issues at install time. Visit [ni.com/info](http://ni.com/info) and enter [notifications](#) to view a list of current product notifications.

### Licensing

The LabVIEW SoftMotion Module relies on licensing activation. After the evaluation period for SoftMotion Module expires, you must activate a valid license before you can run the software. To activate the SoftMotion Module, use the serial number you received as part of your installation package.

Refer to the *Activation Instructions for National Instruments Software* for more information about licensing activation.

### Version 2014 f1 Features and Changes

#### Support for NI 9503 Modules

LabVIEW SoftMotion Module 2014 f1 supports the NI 9503 stepper drive module. Updates include FPGA VIs that can be used to create smoother motion.

#### Support for NI Real-Time Linux 64-bit

LabVIEW 2014 SoftMotion Module is compatible with NI Real-Time Linux 64-bit targets.

### LabVIEW SoftMotion Module 2014 f1 Bug Fix List

You can access the software and documentation bug fix list online. Refer to the [National Instruments Web site](#) for an up-to-date list of bug fixes in the LabVIEW SoftMotion Module 2014.

### General Information

#### LabVIEW Real-Time Users

To use the updates and features included in the LabVIEW SoftMotion Module 2014, you must install the LabVIEW SoftMotion Module 2014 software on the LabVIEW Real-Time target system using Measurement & Automation Explorer (MAX).

### Accessing the Help

Refer to the *LabVIEW Help*, accessible by selecting **Help»LabVIEW Help** from the pull-down menu in LabVIEW, for information about SoftMotion Module concepts, using SoftMotion, step-by-step instructions using the LabVIEW SoftMotion Module, and reference information about SoftMotion VIs and functions.

### Finding Examples

LabVIEW examples for the SoftMotion Module are located in the `labview\examples\Motion` folder. You can modify an example VI to fit an application, or you can copy and paste from one or more examples into a VI that you create.

### LabVIEW SoftMotion Module 2014 Known Issues

You can access the software and documentation known issues list online. Refer to the [National Instruments Web site](#) for an up-to-date list of known issues in the LabVIEW SoftMotion Module 2014.

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### Automating the Installation of NI Products

You can automate the installation of most NI products using command-line arguments to suppress some or all of the installer user interface and dialog boxes. However, starting with the August 2012 releases (products using NI Installers version 3.1 or later), you may need to perform additional steps before or during a silent installation of NI software.

If the NI product you are installing uses Microsoft .NET 4.0, the .NET installer may run before any NI software installs and may require a reboot before the installation of NI software begins. To avoid a .NET reboot, install .NET 4.0 separately before you install NI software.

For more information, refer to the following KnowledgeBase articles:

- For more information on silent installations of individual NI products, refer to KB 4CJDP38M, [Automating the Installation of a Single Installer](#).

- For more information on silent installations of suited NI products, such as NI Developer Suite, refer to KB 4GGDQH0, [Automating the Installation of a Suited Installer](#).
- To determine what version of NI Installers your product contains, refer to KB 4CJDR18M, [How Can I Determine the Type and Version of My National Instruments Installer?](#)

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