
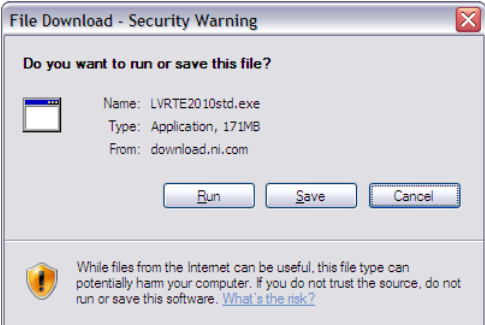




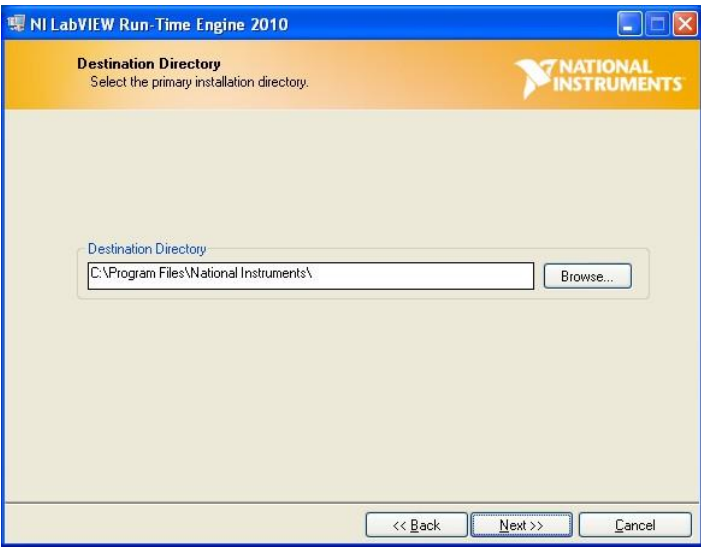
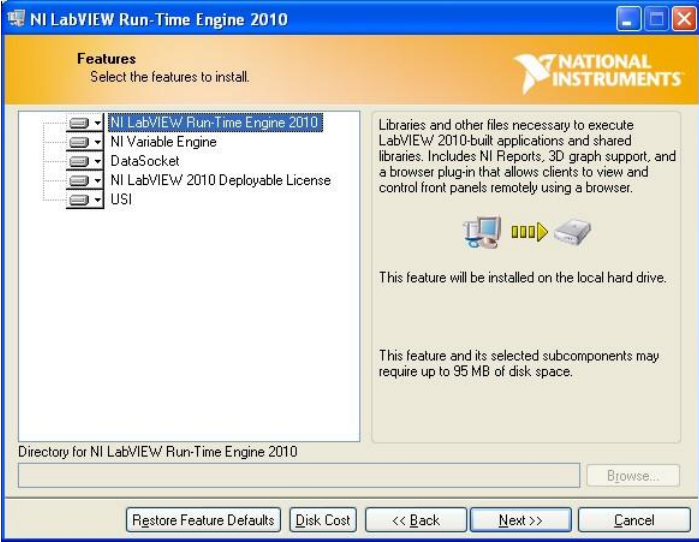



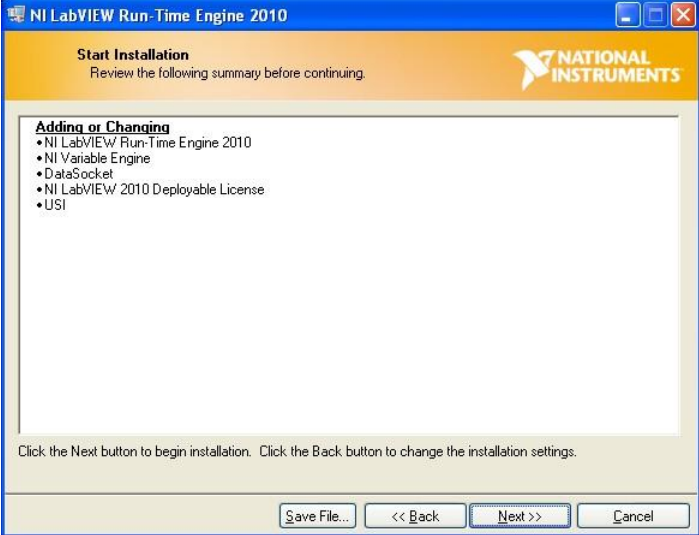
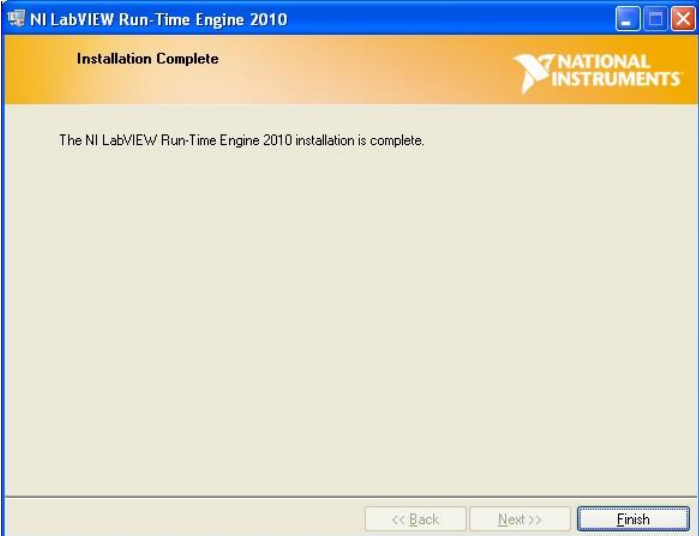

Appendix A: Software and drivers install

1. Labview Runtime 2010 install

1	Go to National Instruments web page http://joule.ni.com/nidu/cds/view/p/id/2087/lang/en	
2	Download 'LVRTE2010std.exe'	 <p>LabVIEW Run-Time Engine 2010 - (32-bit Standard RTE) - Windows 7/7 64 bit/Server 2003 R2 (32-bit) - Windows Vista/XP</p> <p>Available Downloads:</p> <p>Download Options:</p> <p>1 NI Downloader: LVRTE2010std_downloader.exe (171 MB) NI Recommended</p> <p>NI recommends NI Downloader for Windows. NI Downloader:</p> <ul style="list-style-type: none"> provides a more stable experience for downloading files automatically resumes download if unintentionally interrupted temporarily runs on your PC for duration of download features 'pause and resume' ability <p>2 Standard Download: LVRTE2010std.exe (171 MB). The Standard Download:</p> <ul style="list-style-type: none"> downloads directly to your PC can be a less stable experience for downloading files should the download be unintentionally interrupted due to dropped connectivity does not provide ability to 'pause and resume' <p>Download Language: Chinese (Simplified), English, Korean, German, Japanese, French Product Line: LabVIEW Version: 2010 Release date: 09-01-2010 Software type: Run-Time Operating system: Windows 7, Windows 7 64 bit, Windows Server 2003 R2 (32-bit), Windows XP, Windows Vista, Windows Vista x64, Windows Server 2008 R2 (64-bit) Available in Update Service: No</p>
3	Save	 <p>File Download - Security Warning</p> <p>Do you want to run or save this file?</p> <p>Name: LVRTE2010std.exe Type: Application, 171MB From: download.ni.com</p> <p>Run Save Cancel</p> <p>While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?</p>
4	Run the application 'LVRTE2010std.exe'	
5	OK	 <p>LabVIEW 2010 Standard Run-Time Engine</p> <p>This self-extracting archive will create an installation image on your hard drive and launch the installation.</p> <p>After installation completes, you may delete the installation image to recover disk space. You should not delete the installation image if you wish to be able to modify or repair the installation in the future.</p> <p>OK Annuler</p>

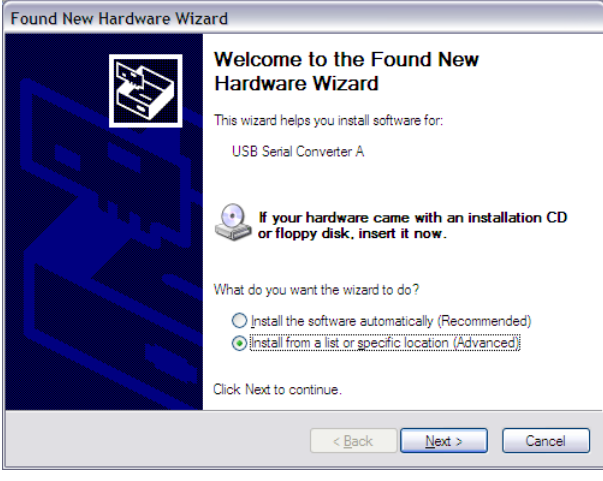
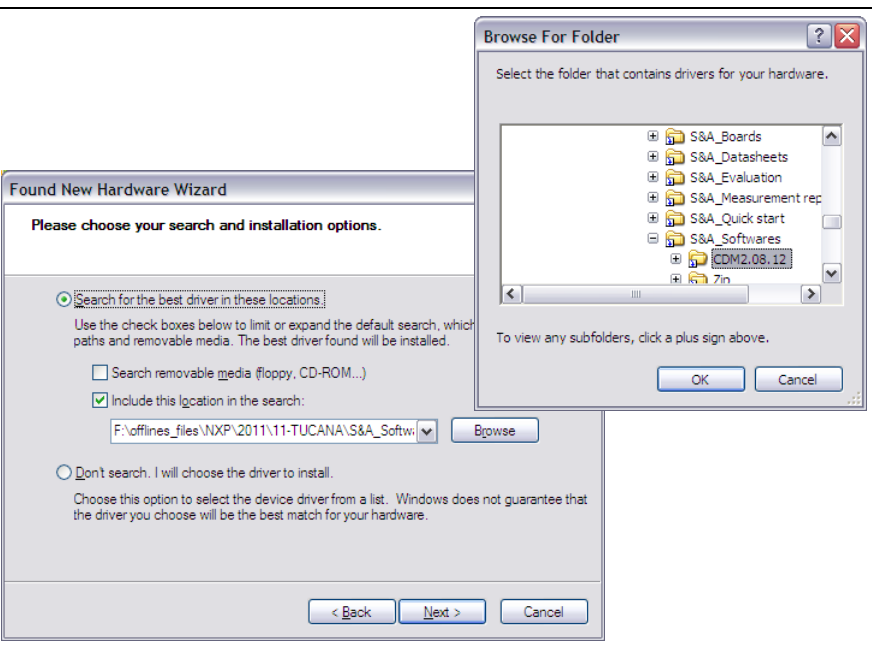

6	Unzip	
7	OK	
8	Next	
9	Next	

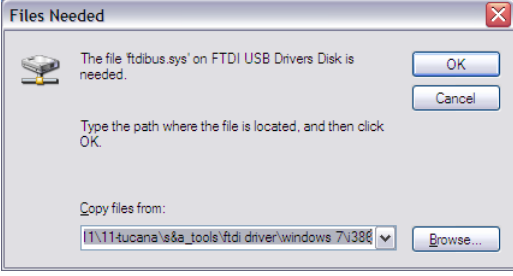
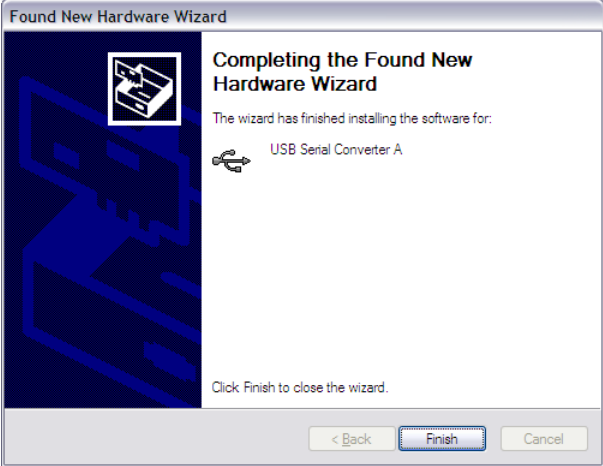
<p>10</p>	<p>Next</p>	
<p>11</p>	<p>Select 'I accept the License Agreement'</p> <p>Next</p>	

12	Next	
13	Finish	
14	Restart	

2. Demoboard - USB-SPI driver install

1	Plug the USB cable in the demoboard USB connector
2	The wizard will help to install the USB Serial Converter A

<p>3</p>	<p>Select 'Install from a list or specific location'</p> <p>Next</p>	
<p>4</p>	<p>Select 'Search for the best driver in these locations'</p> <p>Select 'Include this location in the search'</p> <p>Browse</p> <p>Select the folder 'CDM2.08.12'</p> <p>Next</p>	
<p>5</p>	<p>Continue Anyway (Windows XP only)</p>	

<p>6</p>	<p>Browse</p> <p>Select the file 'ftdibus.sys' in the folder 'CDM2.08.12\i386'</p> <p>OK</p>	
<p>7</p>	<p>Finish</p>	
<p>8</p>	<p>The wizard will help to install the USB Serial Converter B (same as USB Serial Converter A)</p>	
<p>9</p>	<p>The wizard will help to install the USB serial port</p> <p>The file 'ftser2k.sys' is in the folder 'CDM2.08.12\i386'</p>	

3. Extension module - USB-SPI driver install

<p>1</p>	<p>Plug the USB cable in the Extension module USB connector</p>
<p>2</p>	<p>The wizard will help to install the USB Serial Converter A and B and the USB serial port (see 'Demoboard – USB driver install')</p>