Controlling a Nano-Drive® from 32 bit LabVIEW on a 64 bit operating system.

Case

Controlling a Nano-Drive® controller using 32-bit LabVIEW installed on a 64-bit Windows operating system. The 32-bit version of LabVIEW cannot use the 64 bit DLL that has been installed.

Are you using 64-bit Windows?

To check whether you are using a 64-bit or 32-bit version of Windows, open the Windows Start menu then right-click "Computer" (or "My Computer") and select "Properties". Look for the system type in the System (or General) tab.

Find more information on this topic in the following resource:

32-bit and 64-bit Windows: frequently asked questions

Are you using 32-bit LabVIEW?

64-bit and 32-bit LabVIEW install to two separate locations. To check if you are using 32-bit LabVIEW, locate the "National Instruments" folder that contains the version of LabVIEW you are using. 32-bit LabVIEW installs to "Program Files (x86)"; 64-bit LabVIEW installs to "Program Files". *Note: 32-bit Windows cannot use 64-bit LabVIEW.*

Find more information on this topic in the following resource:

Using National Instruments Products on 32-bit and 64-bit Windows

Solution

The MCL Installation CD contains installations for both 32 bit and 64 bit operating systems. The 64 bit installation is required when using a 64 bit operating system. The 32 bit DLL in the "Mad City Labs\NanoDrive\Labview 32-bit" folder called "Madlib.dll" will need to be substituted for the already installed 64 bit Madlib.dll

Copy and paste the 32 bit Madlib.dll into your project folder, and reference the Madlib.dll from the "Library name or path" input of your Call Library Function Nodes.

Find more information on this topic in the following resource:

Can You Call A 64-bit DLL from LabVIEW?