

Control a NanoDrive® from 32-bit LabVIEW on 64-bit Windows.

All versions of 64-bit Windows can run 32-bit LabVIEW; however, 32-bit LabVIEW cannot use 64-bit DLLs. The MCL Installation CD contains two special DLLs in the “Mad City Labs\NanoDrive\Labview 32-bit” folder called “Madlib.dll” and “wdapi****.dll”. You can use these DLLs as described below to control a NanoDrive® from 32-bit LabVIEW.

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](#)

How to use the special Madlib.dll with wdapi1010.dll

The special Madlib.dll contained within the “Mad City Labs\NanoDrive\Labview 32-bit” folder must be used by 32-bit LabVIEW on 64-bit Windows. Copy and paste the Madlib.dll and wdapi****.dll into your project folder, and reference the Madlib.dll from the “Library name or path” input of your Call Library Function Nodes. *Note: the Madlib.dll contained within “Mad City Labs\NanoDrive\Labview 32-bit” is not the standard Madlib.dll and the two are not interchangeable.*

Find more information on this topic in the following resource:

[Can You Call A 64-bit DLL from LabVIEW?](#)