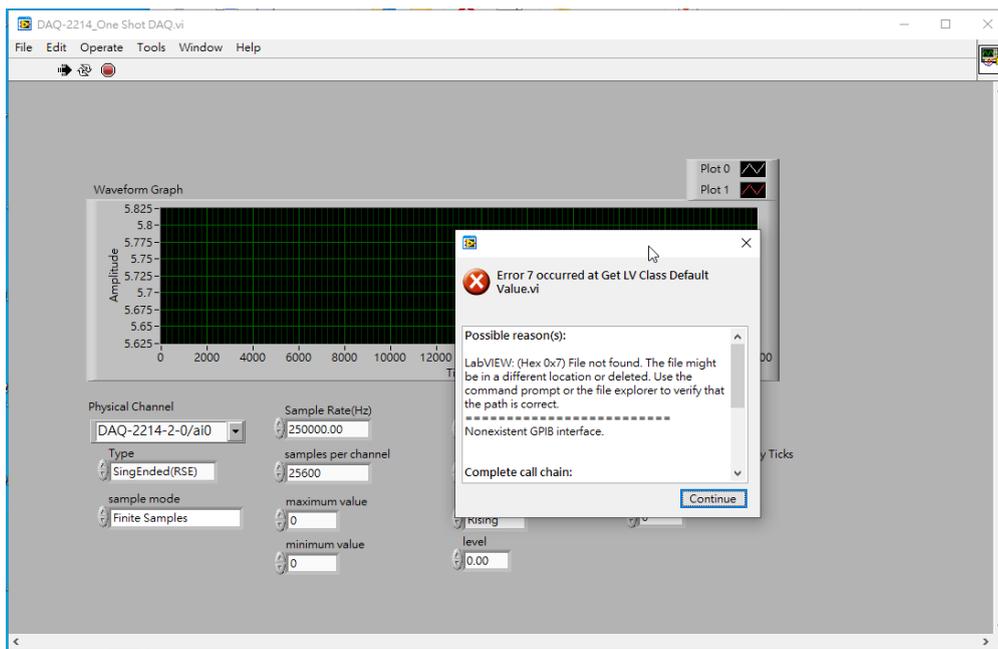


ADLINK Technical Document

Abstract	How to build an application in LabVIEW for D2K DAQ		
OS	Windows		
Keyword	DAQ-LVIEW Plus, MAPS, D2K DAQ		
Related Products	DAQ-2010, DAQe-2010, PXI-2010, DAQ-2016, DAQe-2016, PXI-2016, DAQ-2005, DAQe-2005, PXI-2005, DAQ-2006, DAQe-2006, PXI-2006, PXI-2020, PXI-2022, DAQ-2208, DAQe-2208, PXI-2208, DAQ-2204, DAQe-2204, PXI-2204, DAQ-2205, DAQe-2205, PXI-2205, DAQ-2206, DAQe-2206, PXI-2206, DAQ-2501, DAQe-2501, PXI-2501, DAQ-2502, DAQe-2502, PXI-2502, DAQ-2213, DAQe-2213, DAQ-221, DAQe-2214		
Date	2021-08-13	No.	202110014

- Issue Details:

Error 7 means the source file of the build application is missing the required Common Class and Device Class files. This document shows how to add the classes necessary to build an application for the D2K DAQ in LabVIEW.



- Prerequisites:

Please install the following in the order indicated before proceeding:

1. MAPS Core
2. DAQ-LVIEW Plus

- Solution:

Step 1:

Navigate to the appropriate folder below (32-bit or 64-bit version):

- 32-bit - C:\ADLINK\DAQ-LVIEW Plus\Building Example\Reference Map
- 64-bit - C:\ADLINK\DAQ-LVIEW Plus-64bit\Building Example\Reference Map

Launch “D2K Series Map.lvproj”

名稱	修改日期	類型
<input type="checkbox"/> D2K Series Reference Map.aliases	2017/10/18 下午 05:00	ALIASES 檔案
<input type="checkbox"/> Digitizer Reference Map.aliases	2017/10/18 下午 05:02	ALIASES 檔案
<input type="checkbox"/> DSA Reference Map.aliases	2021/8/13 上午 08:56	ALIASES 檔案
<input type="checkbox"/> EOS Series Reference Map.aliases	2017/10/18 下午 05:07	ALIASES 檔案
<input type="checkbox"/> General DAQ Series Reference Map.ali...	2017/10/18 下午 05:14	ALIASES 檔案
<input type="checkbox"/> USB Series Reference Map.aliases	2019/9/10 上午 09:31	ALIASES 檔案
<input checked="" type="checkbox"/> D2K Series Reference Map.lvproj	2017/10/18 下午 05:00	LabVIEW Project
<input checked="" type="checkbox"/> Digitizer Reference Map.lvproj	2017/10/18 下午 05:02	LabVIEW Project
<input checked="" type="checkbox"/> DSA Reference Map.lvproj	2020/8/13 下午 01:10	LabVIEW Project
<input checked="" type="checkbox"/> EOS Series Reference Map.lvproj	2017/10/18 下午 05:07	LabVIEW Project
<input checked="" type="checkbox"/> General DAQ Series Reference Map.lv...	2017/10/18 下午 05:14	LabVIEW Project
<input checked="" type="checkbox"/> USB Series Reference Map.lvproj	2019/9/10 上午 09:31	LabVIEW Project
<input type="checkbox"/> D2K Series Reference Map.lvps	2017/10/18 下午 05:00	LVLPS 檔案
<input type="checkbox"/> Digitizer Reference Map.lvps	2017/10/18 下午 05:02	LVLPS 檔案
<input type="checkbox"/> DSA Reference Map.lvps	2020/8/13 下午 01:10	LVLPS 檔案
<input type="checkbox"/> EOS Series Reference Map.lvps	2017/10/18 下午 05:07	LVLPS 檔案
<input type="checkbox"/> General DAQ Series Reference Map.lv...	2017/10/18 下午 05:14	LVLPS 檔案
<input type="checkbox"/> USB Series Reference Map.lvps	2019/9/10 上午 09:31	LVLPS 檔案



Step 2:

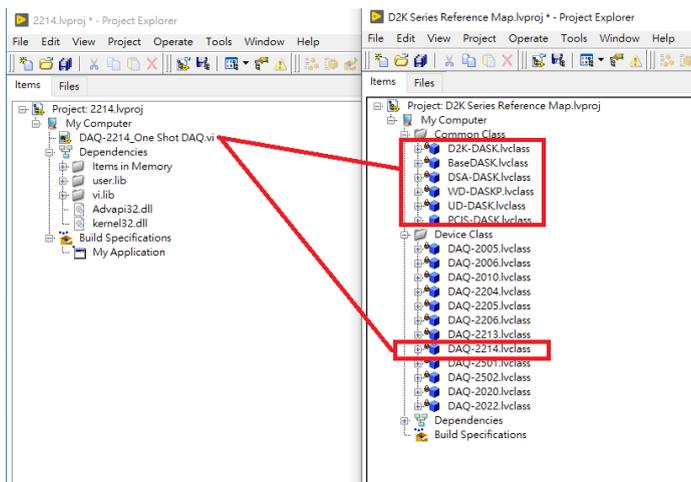
Copy the following “.lvclass” files to the development project:

- Common Class: All files
- Device Class: Specific file for the D2K DAQ

Example:

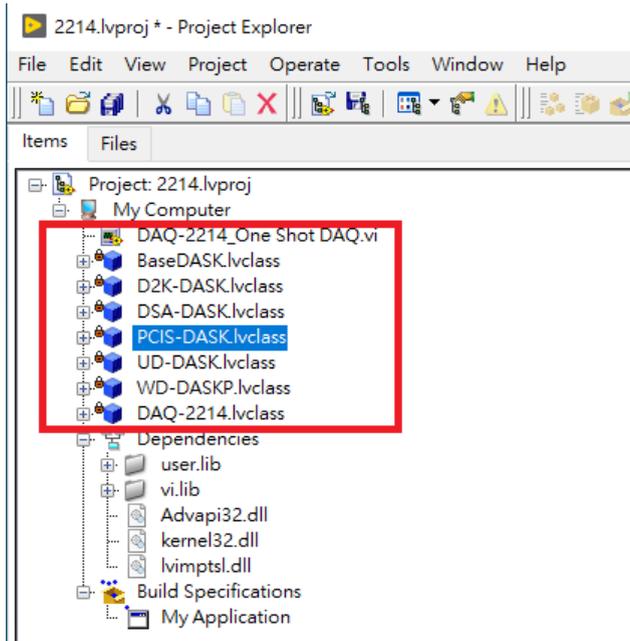
To measure the voltage on the DAQ-2214, copy the following “.lvclass” files to the sample project (as shown below):

- Common Class: BaseDASK, DSA-DASK, WD-DASKP, UD-DASK, PCIS-DASK, D2K-DASK
- Device Class: DAQ-2214



Step 3:

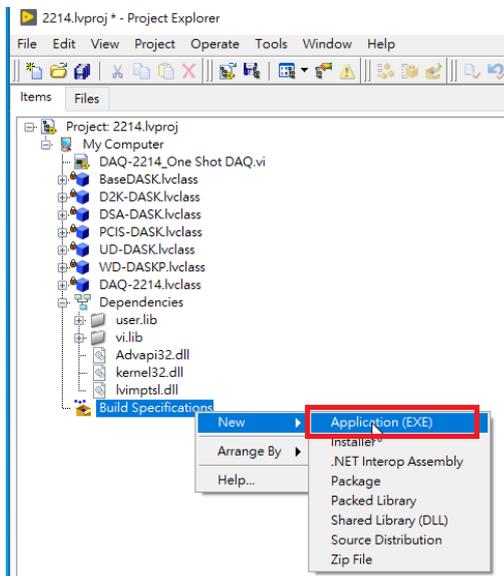
Check the project to ensure the Common Class and Device Class files were copied correctly.



Step 4:

Add the classes to the build specifications:

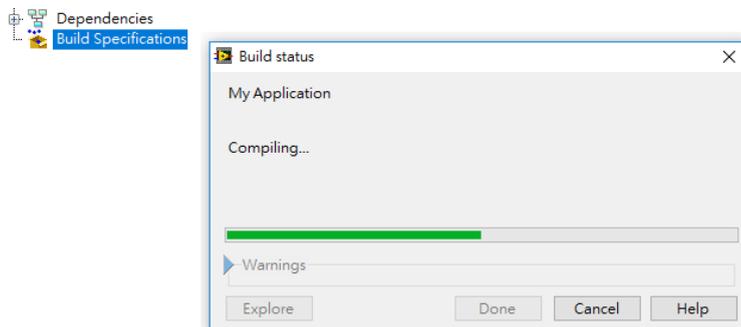
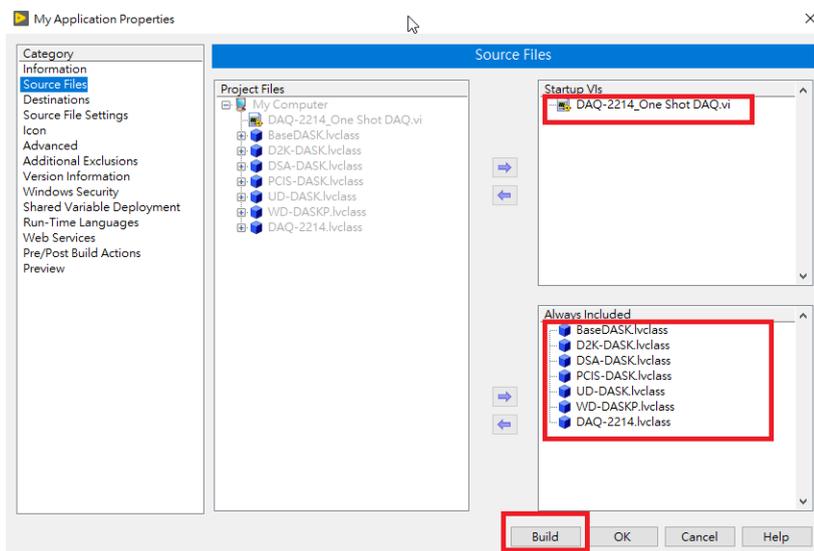
1. Right-click “Build Specification”
2. Hover over “New”
3. Select “Application(EXE)”



Step 5:

In the “My Application Properties” dialog:

1. Select “Source Files”
2. Select the main vi, then click the top “—>” to add to “Startup Vis”
3. Select the common class files and D2K DAQ device class file, then click the lower “—>” to add to “Always Included”
4. Click the “Build” button



Step 6:

Run the Application.exe directly from the application folder.

