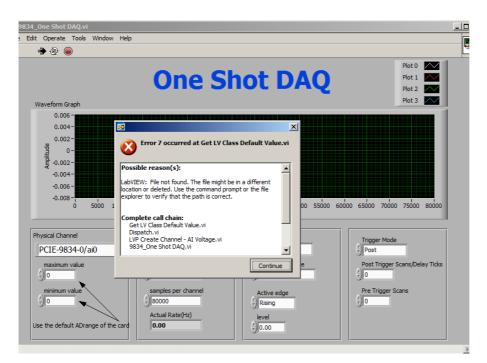


ADLINK Technical Document

Abstract	How to build an application in LabVIEW for Dig	itizer	
OS	Windows		
Keyword	DAQ-LVIEW Plus, MAPS, Digitizer		
Related Products	PCIe-9814, PCIe-9834, PXIe-9834, PCIe-9842, P PCIe-9852, PXIe-9852, PCI-9816, PCI-9826, PC I-9846, PXI-9816, PXI-9826, PXI-9846, PCI-9820		2, PXIe-9848,
Date	2021-08-02	No.	202110013

• 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 Digitizer 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 "Digitizer Reference Map.lvproj"

	4/17E	ARE PLA	
(C:) > ADLINK > DAQ-LVIEW Plus > Building B	xample > Reference Map	5 V	
名稱	修改日期	類型	大小
D2K Series Reference Map.aliases	2017/10/18 下午 05:00	ALIASES 檔案	1 KB
D2K Series Reference Map.lvlps	2017/10/18 下午 05:00	LVLPS 檔案	1 KB
😼 D2K Series Reference Map.lvproj	2017/10/18 下午 05:00	LabVIEW Project	20 KB
Digitizer Reference Map.aliases	2017/10/18 下午 05:02	ALIASES 檔案	1 KB
Digitizer Reference Map.lvlps	2017/10/18 下午 05:02	LVLPS 檔案	1 KB
🔒 Digitizer Reference Map.lvproj	2017/10/18 下午 05:02	LabVIEW Project	22 KB
DSA Reference Map aliacos	2020/8/13 下午 01:10	ALIASES 檔案	1 KB
DSA Reference Map.lvlps	2020/8/13 下午 01:10	LVLPS 檔案	1 KB
😼 DSA Reference Map.lvproj	2020/8/13 下午 01:10	LabVIEW Project	19 KB
EOS Series Reference Map.aliases	2017/10/18 下午 05:07	ALIASES 檔案	1 KB
EOS Series Reference Map.lvlps	2017/10/18 下午 05:07	LVLPS 檔案	1 KB
🖦 EOS Series Reference Map.lvproj	2017/10/18 下午 05:07	LabVIEW Project	19 KB
General DAQ Series Reference Map.aliases	2017/10/18 下午 05:14	ALIASES 檔案	1 KB
General DAQ Series Reference Map.lvlps	2017/10/18 下午 05:14	LVLPS 檔案	1 KB
💺 General DAQ Series Reference Map.lvproj	2017/10/18 下午 05:14	LabVIEW Project	20 KB
USB Series Reference Map.aliases	2019/9/10 上午 09:31	ALIASES 檔案	1 KB
USB Series Reference Map.lvlps	2019/9/10 上午 09:31	LVLPS 檔案	1 KB
😼 USB Series Reference Map.lvproj	2019/9/10 上午 09:31	LabVIEW Project	19 KB





Step 2:

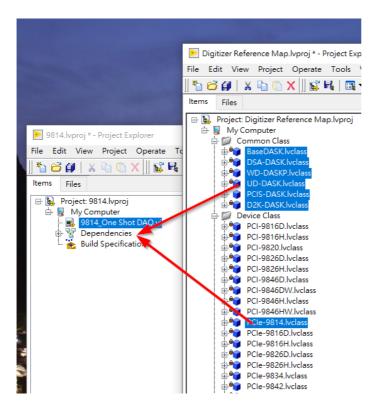
Copy the following ".lvclass" files to the development project:

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

Example:

To measure the voltage on the PCIe-9814, copy the following ".lvclass" files to the sample project (as shown below):

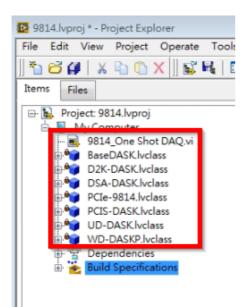
- Common Class: BaseDASK, DSA-DASK, WD-DASKP, UD-DASK, PCIS-DASK, D2K-DASK
- Device Class: PCIe-9814





Step 3:

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



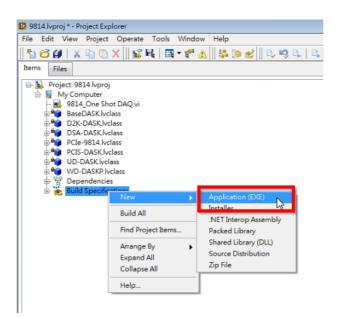




Step 4:

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 " \rightarrow " 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

🚯 9814 Properties				×
Category		Source Fi	iles	
Information				
Source Files	Project Files		Startup VIs	
Destinations	E My Computer	_	9814_One Shot DAQ.v	i
Source File Settings	9814 One Shot DAQ.vi			
Icon	BaseDASK.lvclass			_
Advanced	D2K-DASK.lvclass			
Additional Exclusions	DSA-DASK.lvclass	\Rightarrow		
Version Information	PCIe-9814.lvclass			
Windows Security	PCIS-DASK.lvclass			
Shared Variable Deployment	UD-DASK.lvclass			
Run-Time Languages	WD-DASKP.lvclass			
Web Services				
Pre/Post Build Actions				
Preview				•
			Always Included	A
			BaseDASK.lvclass	
			D2K-DASK.lvclass	
			DSA-DASK.lvclass	
			PCIe-9814.lvclass	
			PCIS-DASK.lvclass	
			UD-DASK.lvclass	
		(WD-DASKP.lvclass	
				·
				-
			Build OK Ca	ncel Help

 Build Specifications 	🔁 Build status	×
	My Application	
	Compiling	
	Warnings	

Step 6:

Run Application.exe directly from the application folder.

名	3稱	^		修改日期				
	data			2021/7/27	下午 03:21			
] Application.alia	ses		2021/7/27	下午 03:22			
ŕ 🖪	Application.exe			2021/7/27	下午 03:22			
1	Application.ini			2021/7/27	下午 03:22			
ŕ		Ν						
	Shot DAQ.vi					2		
	Operate Tools Window 장 🔘	v Help						
Way	eform Graph	One	Shot	DAQ		Plot Plot Plot	1 🔨 2 📐	
Amplitude	eform Graph 0.005 - 0.0025 - -0.0025 - -0.0075 - -0.01 - 0 10000				60000	Plot	1 🔨 2 📐	

