

ADLINK Technical Document

Abstract	How to build an application in LabVIEW for Ger	neral DA	λQ
OS	Windows		
Keyword	DAQ-LVIEW Plus, MAPS, PCIS DAQ		
Related Products	PCI-9111, PCI-9112, PCI-9113, PCI-9114, cPCI-9 PCI-9223, PCI-9524	9116, PC	CI-9221, PCI-9222,
Date	2021-08-27	No.	202110011

• 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 General DAQ in LabVIEW.

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		Tools Window Help					
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	Running						
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				Error 7 occurred at Get LV Class Value.vi	5 Default	Plot 0	
		Waveform Graph				Plot 1	
		2.71-		Possible reason(s):	^		
		2.708-		LabVIEW: File not found. The file migh	t be in a		
		9 2.706-		different location or deleted. Use the c prompt or the file explorer to verify that	ommand		
		it.		correct.	it the path is		
		Ē 2.704-		Nonexistent GPIB interface.	-		
		2.702-					
		2.7-	750 1000 1250 150	Complete call chain:	~	0 4000 4250	
		0 250 500	750 1000 1250 150		Continue	0 4000 4250	
		Physical Channel	Sample Rate(Hz)	Trigger Source	Trigger Mo	ode	
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		sample mode	maximum value	Active edge	Pre Trigger	r Scans	
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• 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 "General DAQ Series Reference Map.lvproj"

😰 Select a File to Open				
← → * ↑ _ « 本	:機磁碟 (C:) > ADLINK > DAQ-LVIEW Plus > Buildin	ng Example > Refere	ence Map 🗸 👌 搜尋 Reference Ma	ар
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 ★ 快速存取 OneDrive 本機 3D 物件 下載 文件 育業 桌面 圖片 圖片 圖片 醫片 "二本機磁碟 (C:) 本機磁碟 (D:) (%) 網路 	 D2K Series Reference Map Digitizer Reference Map DSA Reference Map EOS Series Reference Map General DAQ Series Reference Map USB Series Reference Map 		Series Reference Map - 內容 詳細資料 以前的版本 General DAQ Series Reference Map LabVIEW Project (.lvproj) 遭 LabVIEW 13.0 Develop 變更(C) C:\ADLINK\DAQ-LVIEW Plus\Building Example 19.4 KB (19,885 位元組) 20.0 KB (20,480 位元組) 2017年10月18日, 下午 05:14:20 2017年10月18日, 下午 05:14:20	X
檔案	名稱(N): General DAQ Series Reference Map	存取日期:	2018年12月24日, 下午 04:24:26	



Step 2:

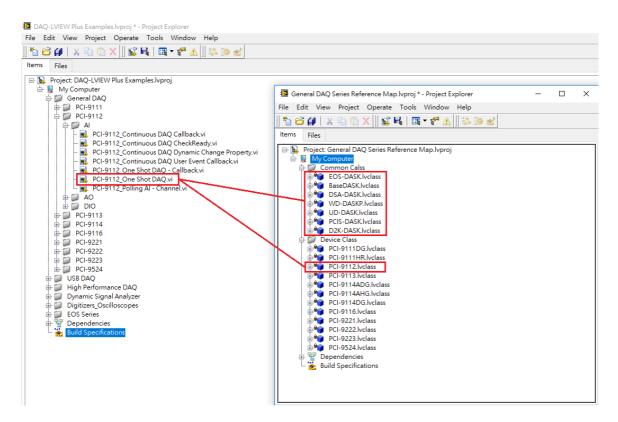
Copy the following ".lvclass" files to the development project:

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

Example:

To measure the voltage on the PCI-9112, copy the following ".lvclass" files to the sample project (as shown below):

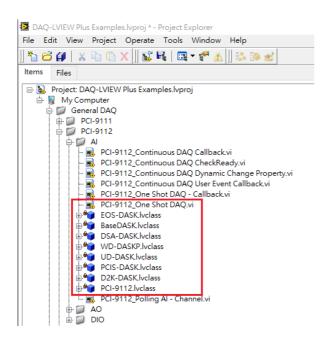
- Common Class: BaseDASK, DSA-DASK, WD-DASKP, UD-DASK, PCIS-DASK, D2K-DASK
- Device Class: PCI-9112





Step 3:

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



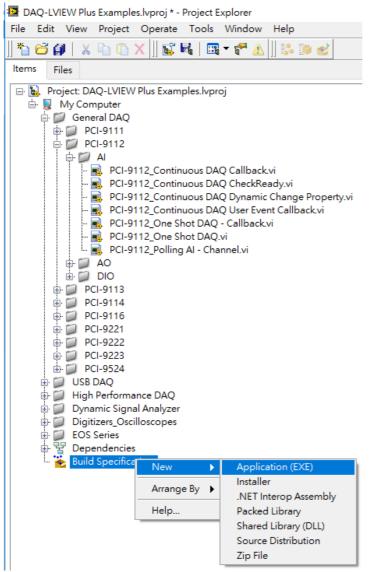




Step 4:

Add the classes to the build specifications:

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





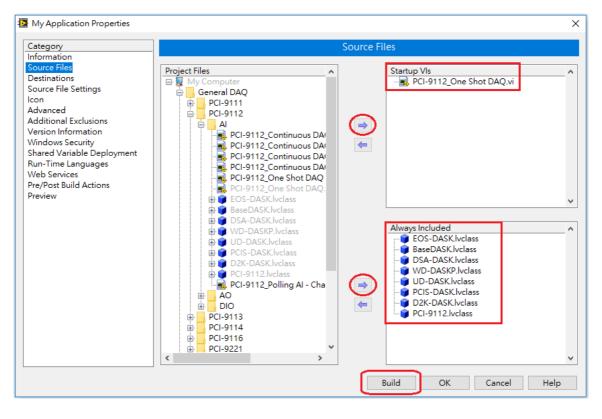


Step 5:

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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 GeneralDAQ device class file, then click the lower "->" to add to "Always Included"
- 4. Click the "Build" button



Dependencies Build Specifications	📴 Build status			×
	My Application			
	Compiling			
	Warnings	•		
	Explore	Done	Cancel	Help





Step 6:

Run the Application.exe directly from the application folder.

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cation File Edit Operate Tool	s Window Help				
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		0 1000 1230 1300 1730 .	Time	5230 5300 5730 4000 4230	
	Physical Channel PCI-9112-0/ai0 Type {SingEnded(RSE)	Sample Rate(Hz) 4000.00 samples per channel 4096	Trigger Source	Trigger Mode	
	sample mode	maximum value	Active edge	Pre Trigger Scans	
	34	minimum value	level		

