

PROCEDURE				
Reference:	PR20210714-03			
Version:	01.0 Category: E			

MODEL(S)	GOAL
ALL EVOLUTION ELECTRIC MODELS	Quality improvement
	Performance √
	Upgrade √
PARTS INFO	Down time √
EV48-400 CONTROLLER	Maintenance √
	Work around √
	Others:

VERSION CONTROL:			
Author:	Version:	Date:	Change/update:
Lance Lian	01.0	2021/07/14	

## TITLE How to use controller interface software ?

### **DESCRIPTION / PURPOSE OF THIS PROCEDURE**

Steps to install /Use controller interface software . Basics of interface software operations .

#### **TOOLS REQUIRED**





- "EV programming tool" interface software
- Data transfer cable for EV48-400 controller

**Evolution Electric Vehicle** 

www.evolutionelectricvehicle.com

Page | 1 of 11



PROCEDURE				
Reference:	PR20210714-03			
Version:	01.0 Category: E			

### **TABLE OF CONTENTS**

Page 3-5: HOW TO INSTALL INTERFACE SOFTWARE?

Page 6-9: HOW TO CONNECT SOFTWARE WITH CONTROLLER?

Page 10-11: HOW TO USE INTERFACE SOFTWARE?

### **OVERVIEW OF CONTROLLER**



EV48-400 Controller



PROCEDURE				
Reference:	PR20210714-03			
Version:	n: 01.0 Category: E			

### **HOW TO INSTALL INTERFACE SOFTWARE?**

-Step 1. Unzip software package.

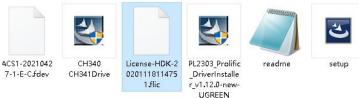


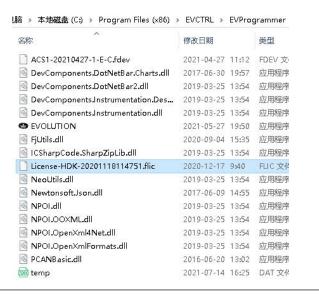
ACS1-20210427-1-E-C.fdev CH340 CH341 Drive License-HDK-20201118114751.flic PL2303\_Prolific\_DriverInstaller\_v1.12.0-new-UGREEN readme setup

-Step 2. Install the interface software. Make sure not to double click the set up icon to run it but to click on the icon then use the menu to "run as administrator", select the route for installation, **recommend to use the default route** C:\Program Files (x86)\EVCTRL\EVProgrammer).



-Step 3.Copy the License file (License-XXXXXX.flic) from software package to installation file (C:\Program Files (x86)\EVCTRL\EVProgrammer).





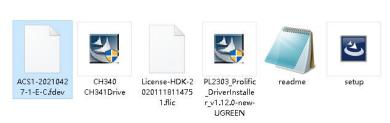
**Evolution Electric Vehicle** 

www.evolutionelectricvehicle.com

Page | 3 of 11

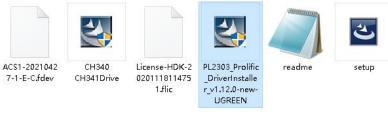


-Step 4. Copy the data file (ACS1-20210427-1-E-C.fdev , different vehicle models may use different data files) from software package to installation file (C:\Program Files (x86)\EVCTRL \EVProgramm er) .



34	Ade	
EVCTRL >	EVProg	grammer
修改日期		类型
2021-04-27	11:12	FDEV文
2017-06-30	19:57	应用程序
2019-03-25	13:54	应用程序
2019-03-25	13:54	应用程序
2019-03-25	13:54	应用程序
2021-05-27	19:50	应用程序
2020-09-04	15:35	应用程序
2019-03-25	13:54	应用程序
2020-12-17	9:40	FLIC 文作
2019-03-25	13:54	应用程序
2017-06-09	14:55	应用程序
2019-03-25	13:54	应用程序
2016-06-20	13:02	应用程序
2021-07-14	16:25	DAT 文化
	修改日期 2021-04-27 2017-06-30 2019-03-25 2019-03-25 2019-03-25 2021-05-27 2020-09-04 2019-03-25 2020-12-17 2019-03-25 2017-06-09 2019-03-25 2019-03-25 2019-03-25 2019-03-25 2019-03-25 2019-03-25 2019-03-25	修改日期 2021-04-27 11:12

-Step 5. Install "PL2303\_Prolific\_DriverInstaller\_v1.12.0-new-UGREEN" .Make sure not to double click the icon to run it but to click on the icon then use the menu to "run as administrator" .



**Evolution Electric Vehicle** 

www.evolutionelectricvehicle.com

Page | 4 of 11



PROCEDURE					
Reference:	PR20210714-03				
Version:	Version: 01.0 Category: E				

-Step 6. Install "CH340 CH341Drive" .Make sure not to double click the icon to run it but to click on the icon then use the menu to "run as administrator".



7-1-E-C.fdev











020111811475 1.flic r\_v1.12.0-new-**UGREEN** 

-Step 7. Use "run as administrator" to run "EVOLUTION" icon from the installation file or the short cut "EVOLUTION" icon from the desktop .

ACS1-20210427-1-E-C.fdev	2021-04-27	11:12
DevComponents.DotNetBar.Charts.dll	2017-06-30	19:57
DevComponents.DotNetBar2.dll	2019-03-25	13:54
DevComponents.Instrumentation.Des	2019-03-25	13:54
DevComponents.Instrumentation.dll	2019-03-25	13:54
EVOLUTION	2021-05-27	19:50
FjUtils.dll	2020-09-04	15:35
■ ICSharpCode.SharpZipLib.dll	2019-03-25	13:54
License-HDK-20201118114751.flic	2020-12-17	9:40
NeoUtils.dll	2019-03-25	13:54
Newtonsoft. Json.dll	2017-06-09	14:55
MPOI.dll	2019-03-25	13:54
NPOLOOXML.dll	2019-03-25	13:54
NPOI.OpenXml4Net.dll	2019-03-25	13:54
NPOI.OpenXmlFormats.dll	2019-03-25	13:54
Masic.dll	2016-06-20	13:02
m temp	2021-07-14	16:25

-The software installation is finished and up working now .

**Evolution Electric Vehicle** 

www.evolutionelectricvehicle.com

Page | 5 of 11



PROCEDURE				
Reference:	PR20210714-03			
Version:	01.0 Category: E			

### **HOW TO CONNECT SOFTWARE WITH CONTROLLER?**

-Step 1. Plug the "Data transfer cable" to controller and your laptop.



Data transfer cable



**USB** connector plugged to your laptop



4 Pin square connector plugged to vehicle programming interface on the wiring harness

**Evolution Electric Vehicle** 

www.evolutionelectricvehicle.com

Page | 6 of 11



PROCEDURE					
Reference:	PR20210714-03				
Version:	01.0 Category: E				

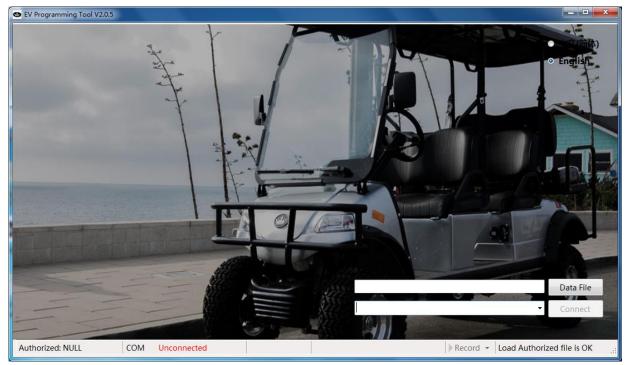
-Step 2. Turn on golf cart power supply (switch on key switch) .



-Step 3. Open "EVOLUTION" the interface software .



**Click on software Icon** 



Software interface

**Evolution Electric Vehicle** 

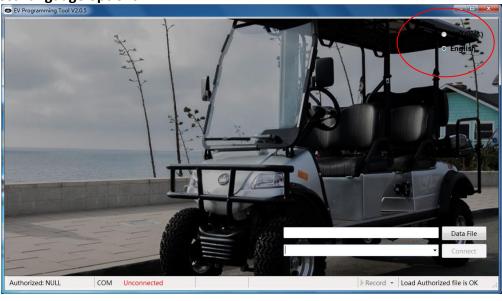
www.evolutionelectricvehicle.com

Page | 7 of 11

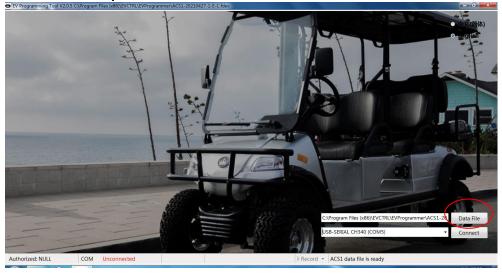


PROCEDURE				
Reference:	PR20210714-03			
Version:	01.0 Category: E			

-Step 4. Select Language options.



- -Step 5.Load data file.
- >Click on "Data file"Icon
- >Select data file (data file is in the installation folder in C:\Program Files (x86)\EVCTRL \EVProgrammer)
- >Select file then Click on "Open"



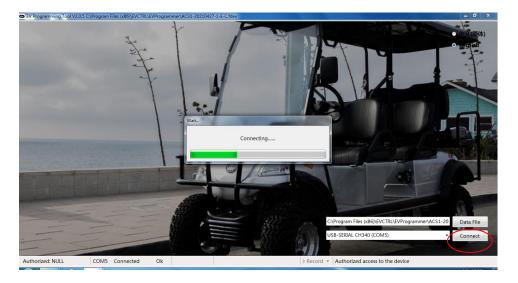


Data File

Authorized: NULL COM Unconnected

| COM Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected | Com Unconnected |

-Step 6.Click "Connect" to establish the connection with Controller.



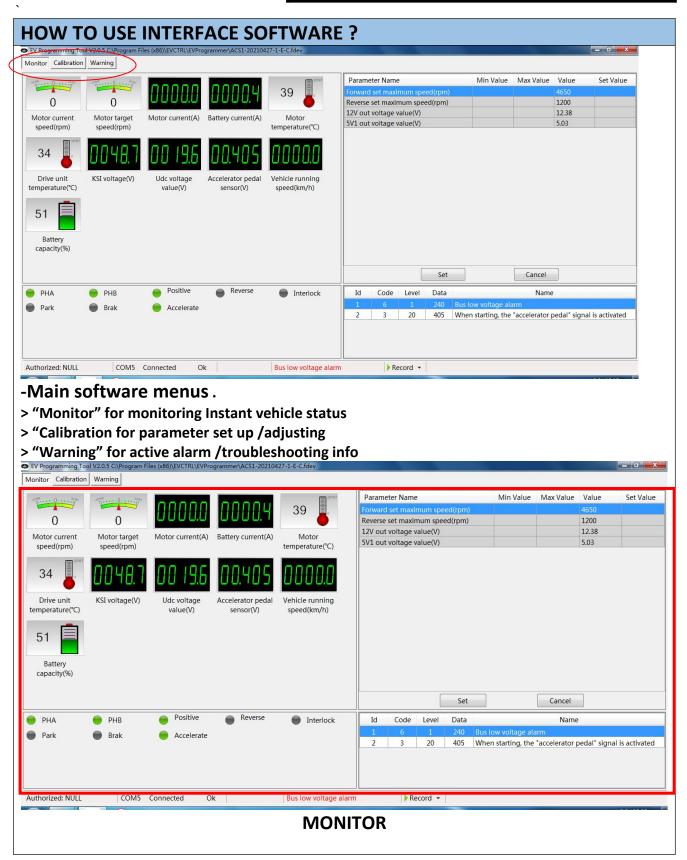
-The interface software is now connected with controller .

**Evolution Electric Vehicle** 

www.evolutionelectricvehicle.com

Page | 9 of 11



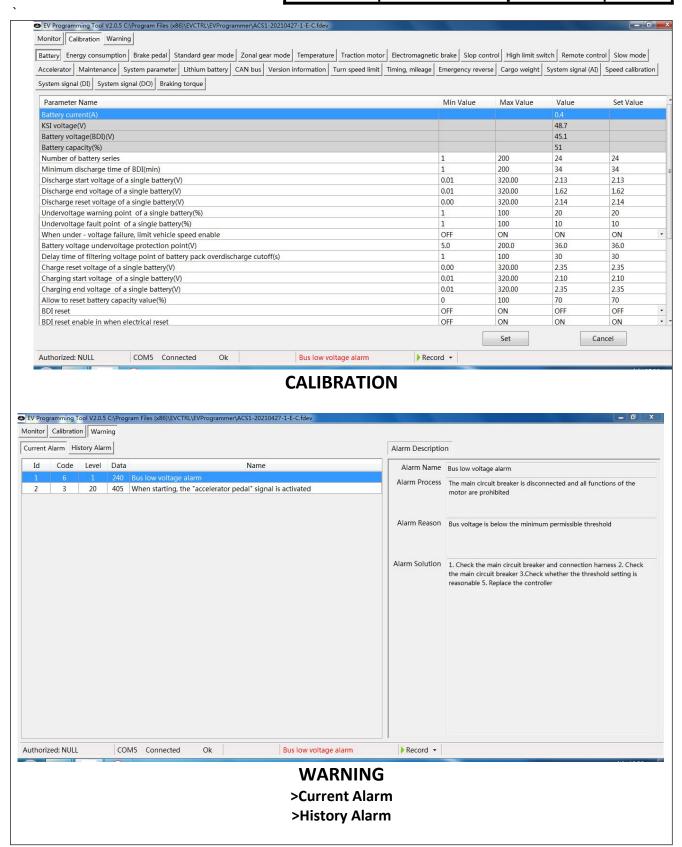


**Evolution Electric Vehicle** 

www.evolutionelectricvehicle.com

Page | 10 of 11





**Evolution Electric Vehicle** 

www.evolutionelectricvehicle.com

Page | 11 of 11