

# **Advantech AE Technical Share Document**

Date	2019 / 03 / 22	Release Note	Internal External	
Category	□FAQ ■SOP Related OS Windows 7 / 8 / 10			
Abstract	How to recalibrate capacitive touch using eGalaxTestManager?			
Keyword	capacitive touch, recalibrate, eGalaxTestManager			
<b>Related Product</b>	PPC-3151			

#### Problem Description:

Due to changes in an environment's magnetic field or new system installation, the touch screen may operate incorrectly.

#### Brief Solution - Step by Step:

Note:

- A. There are two scenario for recalibration tool, please use Please use the corresponding steps according to different scenarios.
- B. Don't install the resistive touch drive on the platform. Uninstall if it's already installed.
- C. To avoid unnecessary interference during calibration, use a mouse (not touch) for step1 to step3.

## Scenario 1

1. Download and unzip the recalibration tool from Advantech website(search PPC-3151), then click GalaxTestManager

https://support.advantech.com/support/DownloadSRDetail\_New.aspx?SR\_ID=1-1P8Q1X2&Doc\_\_Source=Download

	-				_
	Name	Date modified	Туре	Size	
	矏 eGalaxWorks3062~20151229-EETI-Win	3/22/2019 5:34 PM	File folder		
	↓ Test_Tool_PCFG0060_v01 (20181015)	3/22/2019 5:33 PM	File folder		
	📄 eGalax.dat	12/14/2018 3:32 PM	DAT File	2 KB	
	🔽 📴 eGalaxTestManager	12/14/2018 3:36 PM	Application	3,855 KB	1
1	HIDdAPI.dll	11/27/2018 10:16	Application extens	2,093 KB	1
	ManagerSetting	12/20/2018 8:37 AM	Configuration sett	1 KB	

2. When the tool shows ready status, click "GO" to run the utility.

514	eGalaxTestM	anager v1.0.0.3 (1812)	4.0.6	9)	
	CON	ROLLER INFO	īГ	]	
	Type :	PCAP80H80 SERIES			
	Model :	EDIPPER_1508			
	Version :	02_01		G O !!	
	VendorID :	0EEF			
	ProductID :	C000			
			Л		
		R E	H		



3. Click on "Start test" button to initial the self-test and recalibration.

GalaxSensorTester4 -Der	mo ( Tx:39, Rx:52, VID:0EEF	F, PII	D:C000 )	×	
Sensor Test					1
Controller Info		1		_	
Model Name:	EDIPPER_1508				
Type Name:	PCAP80H80 SERIES				
Version:	02_01				
Parameter Version:	00.00				
Test Item			2		
HW Signal :	-				
Open Test :	·				
Short Test :	-				
Mutual Cap Test :	-				
OPDraw :	-				
Barcode			Start Test !!		
v1.0.7.9 (180305.0.69)					
				01/	
				UK	]

4. Do not touch the screen during testing.

Controller Info		
Model Name:	EDIPPER_1508	
Type Name:	PCAP80H80 SERIES	
Version:	02_01	
Parameter Version:	00.00	Testina.
Test Item		
HW Signal :	•	Don't Touch
Open Test :	•	
Short Test :	-	
Mutual Cap Test :	-	
OPDraw :	-	
Barcode		Start Test !!
	EETI	



5. When the tool shows "Pass", the process of self-test and recalibration are finish

Controller Info		
Model Name:	EDIPPER_1508	
Type Name:	PCAP80H80 SERIES	
Version:	02_01	
Parameter Version:	00.00	
Test Item		Pass !!
HW Signal :	PASS	
Open Test :	PASS	
Short Test :	PASS	
Mutual Cap Test :	PASS	
OPDraw :	-	
Barcode		Start Test !!
	1	
,		

### Scenario 2

1. Download and unzip the recalibration tool from Advantech website(PPC-3151), then click GalaxTestManager

https://support.advantech.com/support/DownloadSRDetail New.aspx?SR ID=1-1P8Q1X2& Doc Source=Download

Name	Date modified	Туре	Size
퉬 eGalaxWorks3062~20151229-EETI-Win	3/22/2019 5:34 PM	File folder	
]] Test_Tool_PCFG0060_v01 (20181015)	3/22/2019 5:33 PM	File folder	
eGalax.dat	12/14/2018 3:32 PM	DAT File	2 KB
🔽 🚞 eGalaxTestManager	12/14/2018 3:36 PM	Application	3,855 KB
🚳 HIDdAPI.dll	11/27/2018 10:16	Application extens	2,093 KB
ManagerSetting	12/20/2018 8:37 AM	Configuration sett	1 KB



Enabling an Intelligent Planet

2. When the tool shows ready status, click "GO" to run the utility.

PI0	eGalaxTestN	Manager v1.0.0.3 (18121	14.0.69)
	CON Type : Model : Version : VendorID : ProductID :	TROLLER INFO PCAP3188UR SERIES SIRIUS_1760 00_T1 0EEF C000	G O II
		RE	ADY!

3. Click on "Start test" button to initial the self-test and recalibration.

eGalaxSensorTester3 -Demo ( Tx:39, Rx:52, VID:0EEF, P.	ID:C000 )
Sensor Test	
Controller Info         Model Name:       SIRIUS_1760         Type Name:       PCAP3188UR SERIES         Version:       00_T1         Parameter Version:       00.00         Test Item       -         HW Signal :       -         Open Test :       -         Short Test :       -	1
Mutual Cap Test :	Start Test !!
	OK Cancel



4. Do not touch the screen during testing.

Controller Info       SIRIUS_1760         Model Name:       SIRIUS_1760         Type Name:       PCAP3188UR SERIES         Version:       00_T1         Parameter Version:       00.00         Test Item	x	orTester3 -Demo (Tx:39, Rx:52, VID:0EEF, PID:C000)
Mutual Cap Loat :	Ĩ	Info         lame:       SIRIUS_1760         ame:       PCAP3188UR SERIES         00_T1         eer Version:       00.00         nal :       -         est :       -         st :       -         st :       -         op Text :       -
OPDraw :         -           Barcode         Start Test !!           v1.0.5.9 (160630.0.0)		EETI  60630.0.0)  Start Test !!

5. As with the below picture, use your finger to draw a line in the red area within 120 seconds. (Don't exceed the red area in the process, otherwise it will failed for test)





EETI OPDraw v2.1.0.6 TestID(3) : 4 edge test (Single) Timer: 53 (120) Monitor Position : (-1, -1 ),Raw Position : (-1, -1 ),174 hz Retry Count:40

EETI OPDraw v2.1.0.6 TestID(3) : 4 edge test (Single) Timer: 81 (120) Monitor Position : (-1, -1 ),Raw Position : (-1, -1 ),174 hz Retry Count:40

3

2

2

3



6. When the tool shows "Pass", the process of self-test and recalibration are finish

Sensor Test Controller Info Model Name: Type Name: Version: Parameter Version: Test Item HW Signal : Open Test : Short Test :	SIRIUS_1760           PCAP3188UR SERIES           00_T1           00.00	Pass !!
OPDraw : Barcode v1.0.5.9 (160630.0.0)	PASS	Start Test !!