

Spectrum Genius

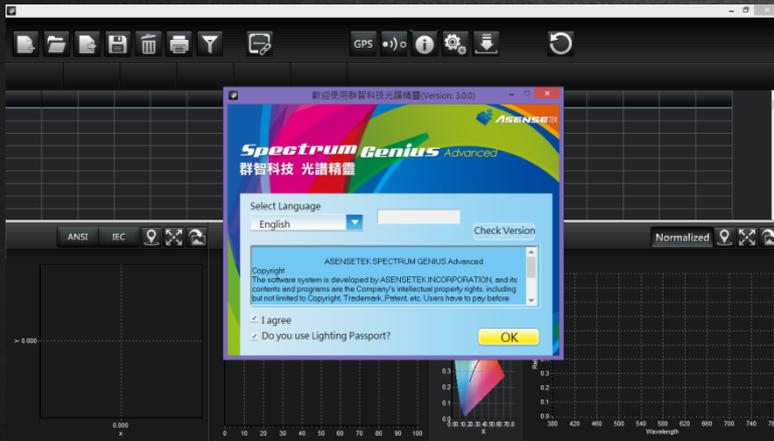
- PC Version -

Instructions



Advance Notice

◆ Please click the SpectrumGenius.exe to run the program. **If you are the Advanced User, remember to insert the Hard Key before starting.**



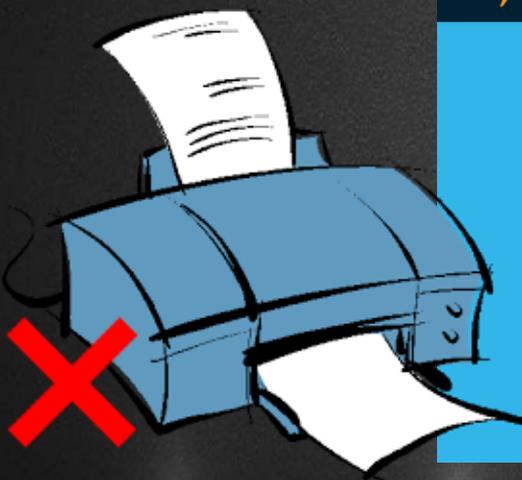
Windows 8 or 10 User should install the driver first, the driver is attached in the "USB_Key_Driver " folder in the CD.

USB_Key_Driver



Advance Notice

◆ If users don't have any printer, please go to [Bullzip website](#), download and install the [PDF Printer](#) by free to start the printing function.



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1-1) For "Apple", transmit the data to the PC



◆ Open the iTunes and make the iDevice connect with the computer, then click the iDevice.



1-1) For "Apple", transmit the data to the PC



◆ In the iDevice menu, click the application.



1-1) For "Apple", transmit the data to the PC



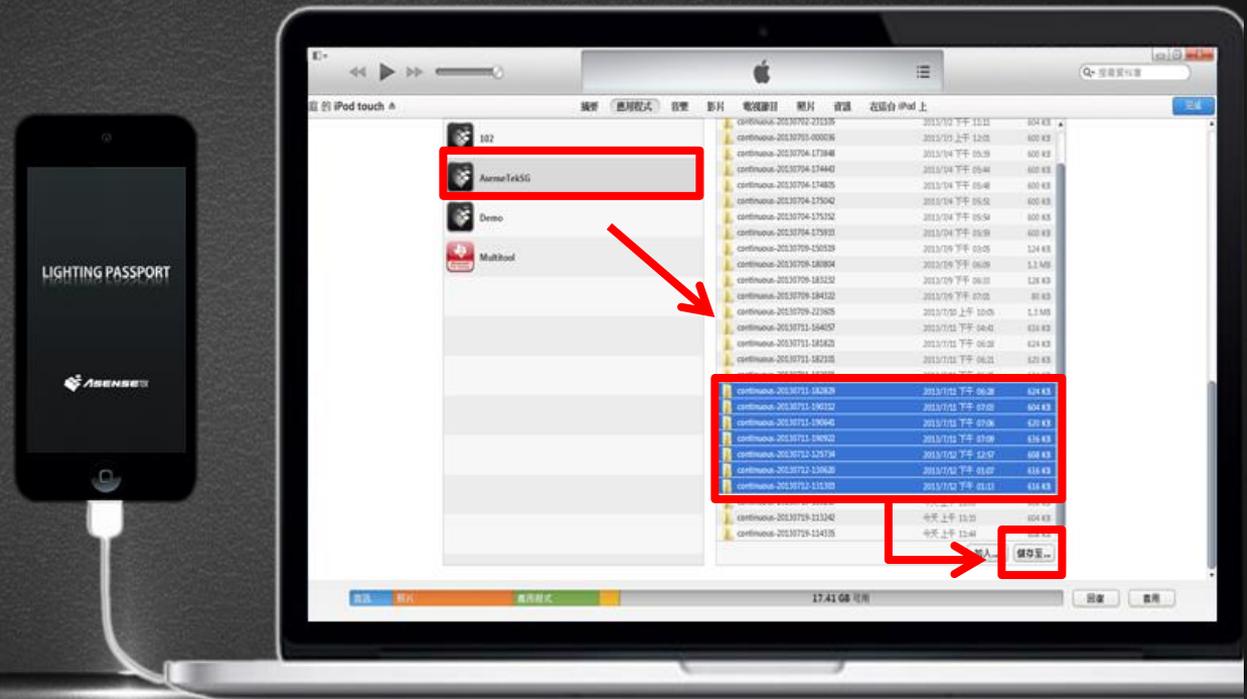
◆ Scroll down the bar.



1-1) For "Apple", transmit the data to the PC



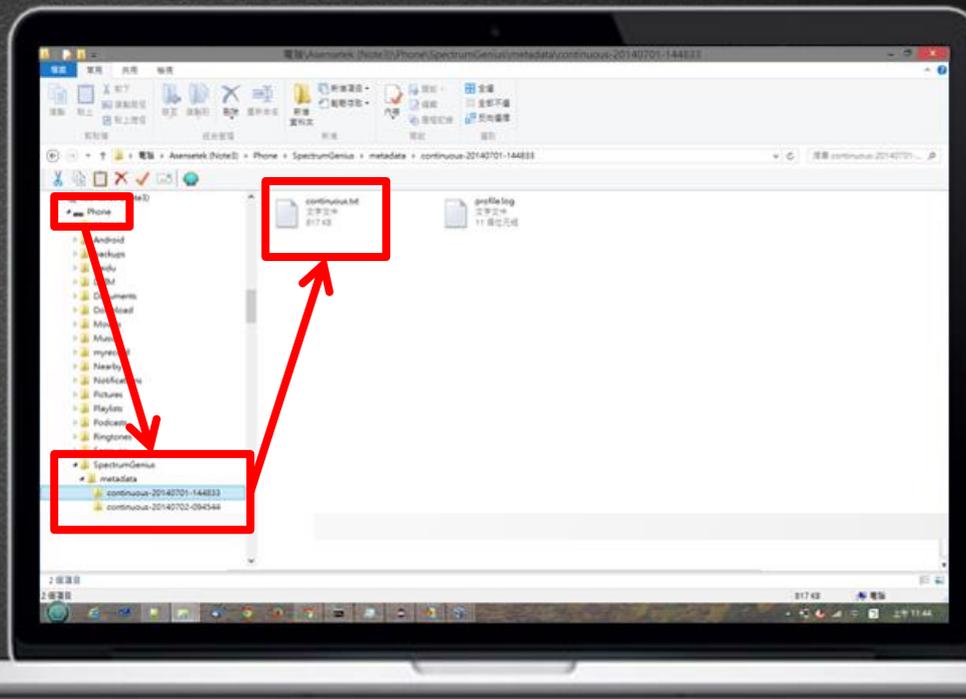
◆ Click the "SGM" folder, select the data, then click the "Save as".



1-2) For "Android", transmit the data to the PC



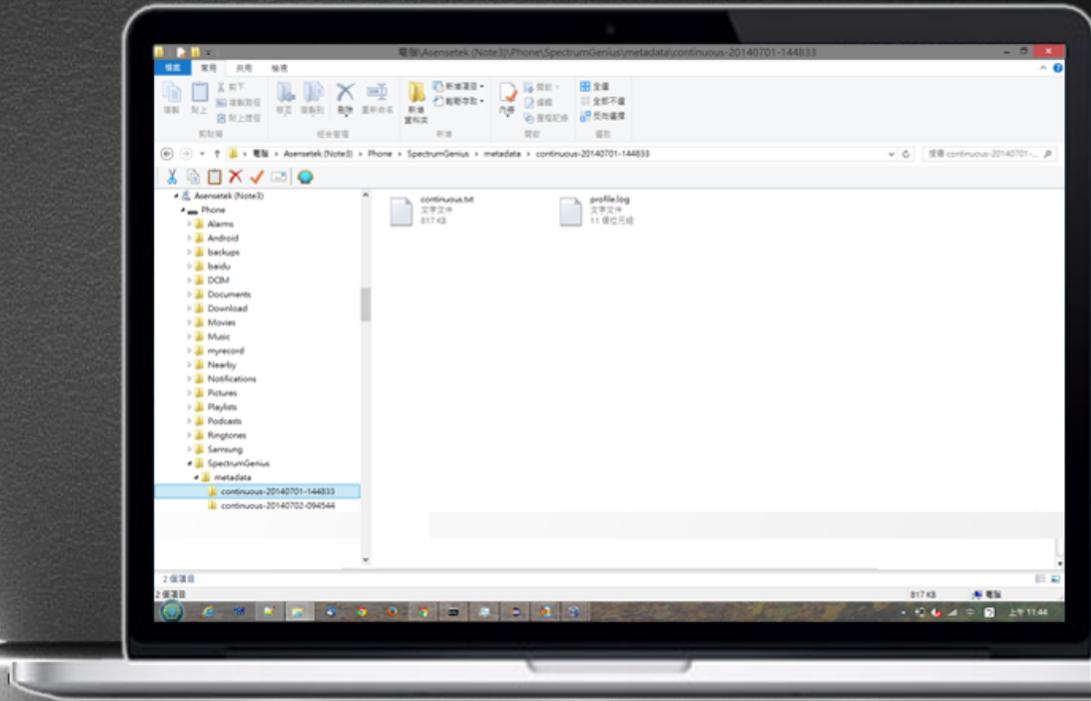
◆ Choose your smart device and click the "SpectrumGenius" folder, select the data, then save the **txt data** to the PC folder.



1-2) For "Android", transmit the data to the PC



◆ You can also transfer the measurement data to PC by the SD card of your smart device.



1-3) Transmit the data to the PC by "Wifi"



◆ Click the "Wifi Transfer" button and make sure the IP and PORT correct, then select the place which you want to save as.

The screenshot shows the ASENSETEK Genius software interface. A red box highlights the "Wifi Transfer" dialog box. The dialog box has two sections: "Choose IP" and "Choose File". The "Choose IP" section has a text box containing "192.168.2.72" and a "PORT" section with a text box containing "5050". The "Choose File" section has a text box containing "C:\\" and a "Save" button. Below these sections, there is a text area displaying "Host name is TWRD02" and "Host Port is 5050". At the bottom of the dialog box, there is a "Notice" section with two instructions: "1) Please confirm your mobile device and PC are in the same network" and "2) Suggest you to temporarily close firewall on PC in order to avoid it blocking data transmission." There are "On", "Off", and "Exit" buttons at the bottom of the notice.

Wave	Amplitude	Phase
80	2872	0.2473
80	2872	0.5093
80	2872	0.5093
0	0	0.0000
80	2872	0.2473

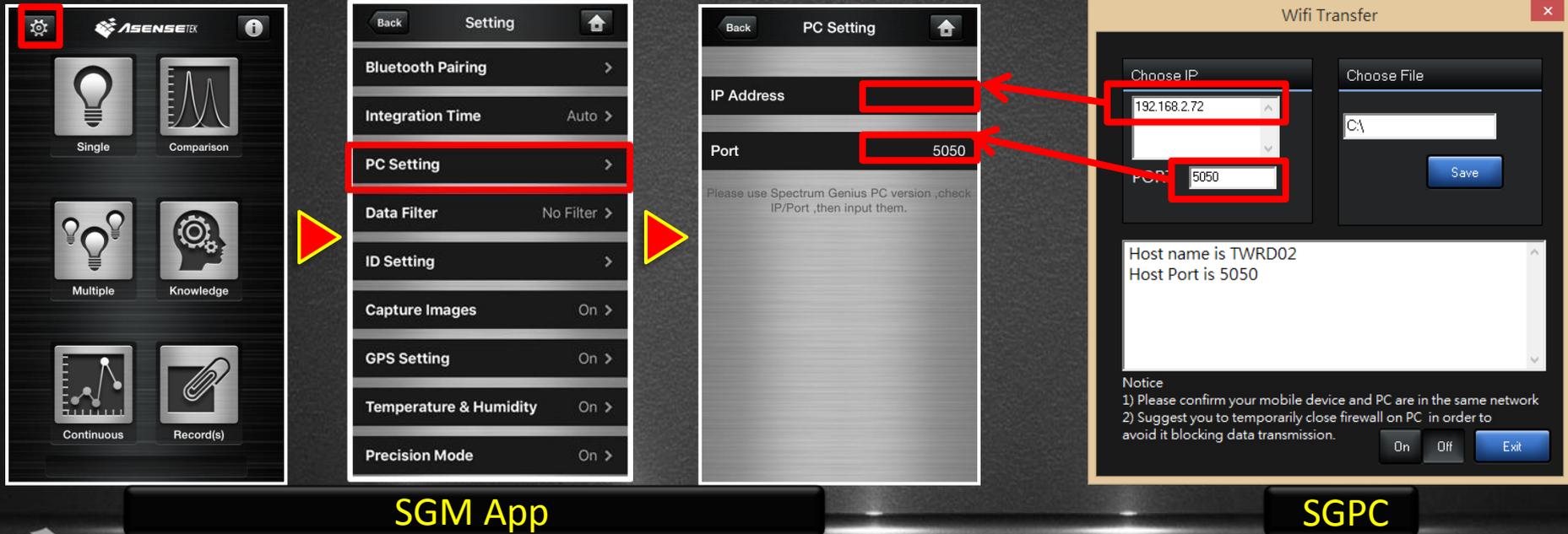
Wave	Amplitude	Phase
80	2872	0.2473
80	2872	0.5093
80	2872	0.5093
0	0	0.0000
80	2872	0.2473

This is a close-up screenshot of the "Wifi Transfer" dialog box. It shows the "Choose IP" section with a text box containing "192.168.2.72" and a "PORT" section with a text box containing "5050". The "Choose File" section has a text box containing "C:\\" and a "Save" button. Below these sections, there is a text area displaying "Host name is TWRD02" and "Host Port is 5050". At the bottom of the dialog box, there is a "Notice" section with two instructions: "1) Please confirm your mobile device and PC are in the same network" and "2) Suggest you to temporarily close firewall on PC in order to avoid it blocking data transmission." There are "On", "Off", and "Exit" buttons at the bottom of the notice.

1-3) Transmit the data to the PC by "Wifi"



◆ Execute SGM App and click "PC Setting" of settings, tap and fill in IP and PORT.



SGM App

SGPC

1-3) Transmit the data to the PC by "Wifi"



◆ After that, click "Record(s)" and tap "Sent To PC" button, then select the data which you want transfer to the computer.

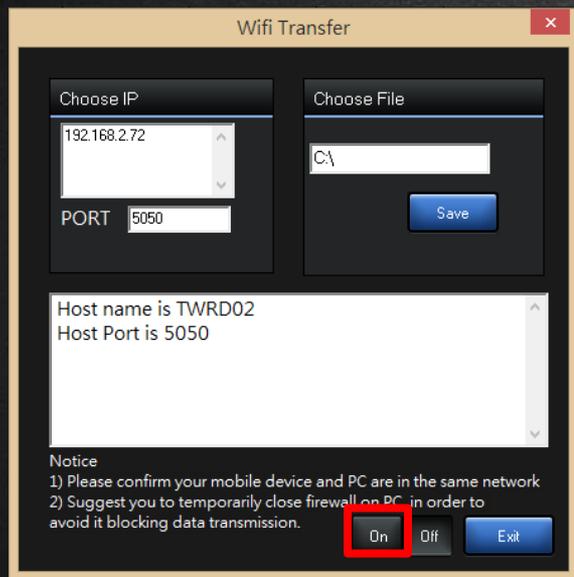


SGM App

1-3) Transmit the data to the PC by "Wifi"



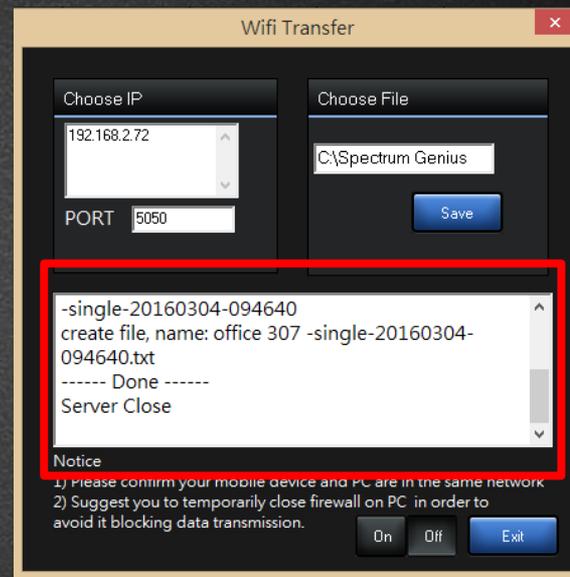
◆ Click "on" of PC software and tap "Sent To PC" of SGM app again, then the select data will be transferred to the computer folder.



SGPC



SGM App



SGPC

1-4) Transmit the data to the PC by "E-mail"

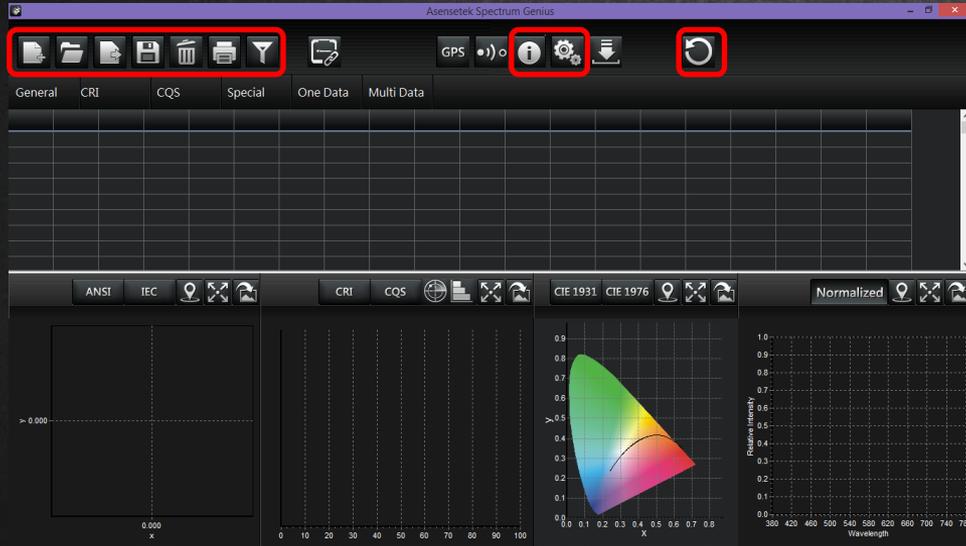


◆ Click "Record(s)" and select the data then email to the computer.



2-1) UI Instruction

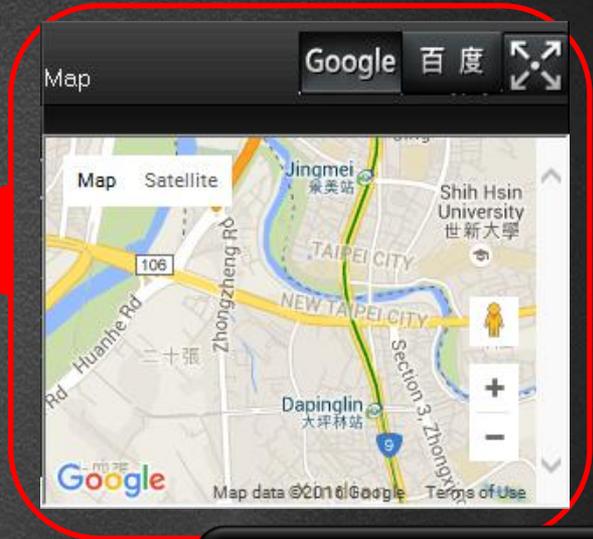
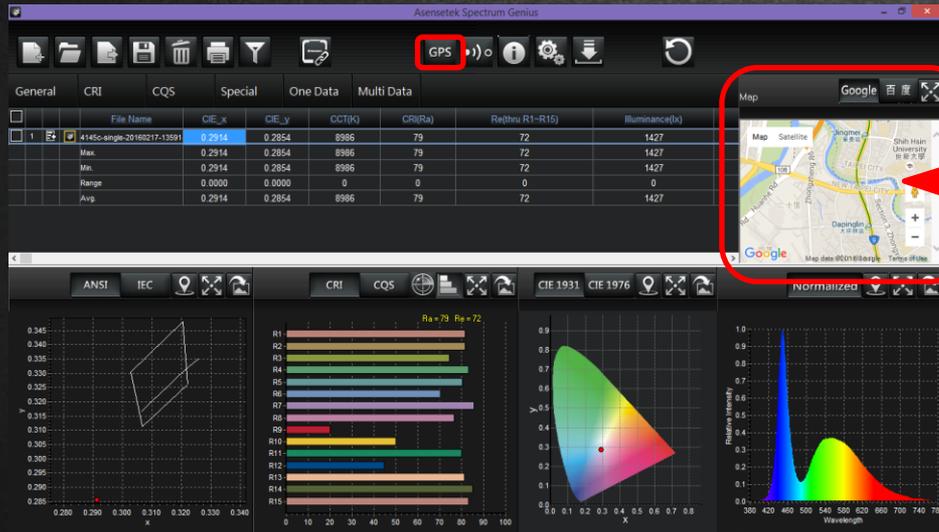
◆ Users can use the top left buttons to open the data; save as .dat file or Excel file (.csv); setting data filter and parameter; print the report.



-  **Import File**
(APP Data .txt)
-  **Open File**
(Open .csv/.dat)
-  **Export File**
(Save as .csv file)
-  **Save File**
(Save as .dat file)
-  **Delete Record**
-  **Print Report**
-  **Data Filter**
(Filtering Criteria)
-  **About**
(Version Info.)
-  **Settings**
(Parameter settings)
-  **Re-New**
(Clean all data)

2-2) UI Instruction

◆ **GPS MAP**, if user import the measurement data that is SGM or SGE v2.2.0 and above version, enabling this new feature will be available.

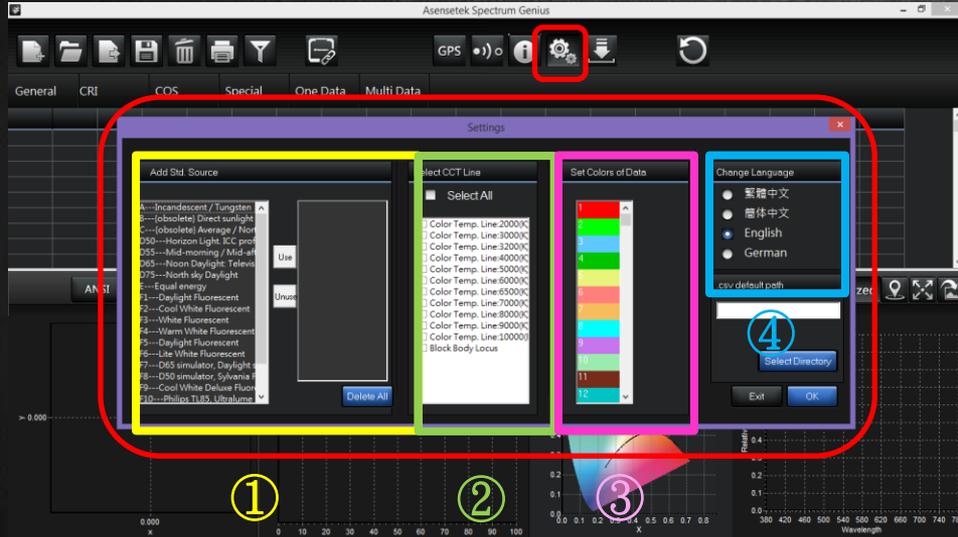


For China user, please select 百度 MAP to show the GPS.

2-3) UI Instruction

* ①②③ for Advanced Users only.

◆  In the "Settings" page, users can customize a lot of advanced parameter settings, then get more convenient in analyzing data.



① **Add Std. Source** : Add the benchmark light source to compare with the measurement data.

② **Select CCT Line**: Control the display of the Planckian Locus and the Isotemperature Line.

③ **Set Colors of Data**: Set the measure data's color of coordinate point and spectrum line.

④ **Change Language**: Switching the locales.

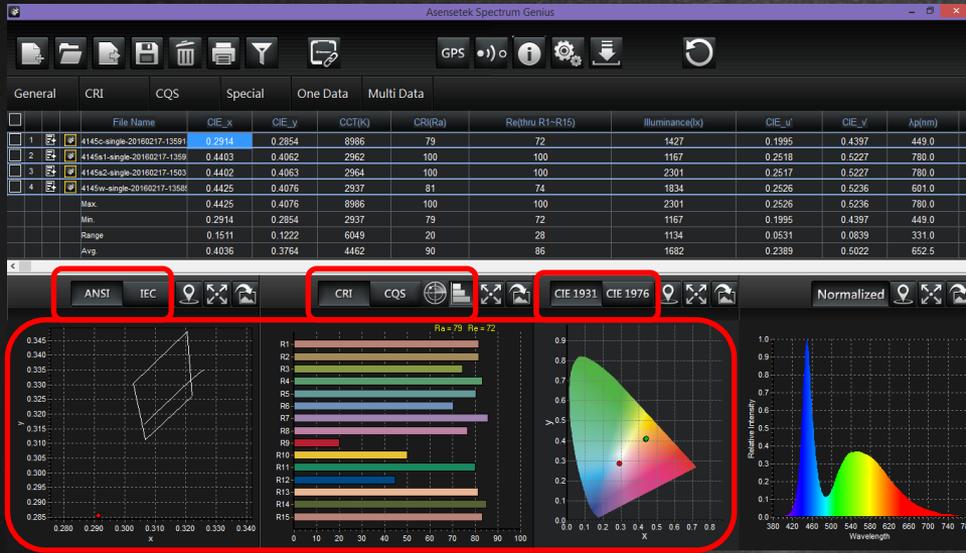
2-4) UI Instruction

◆ **Data Source Display**, Spectrum Genius PC version will show the data source information now. And also marked single, multiple and continuous data by blue lines.

General			CRI	CQS	Special
<input type="checkbox"/>			File Name	CIE_x	CIE_y
<input type="checkbox"/>	1		office 307-multiple-20160304-0	0.3302	0.3632
<input type="checkbox"/>	2		office 307-multiple-20160304-0	0.3305	0.3630
<input type="checkbox"/>	3		office 307-multiple-20160304-0	0.3493	0.3743
<input type="checkbox"/>	4		office 307-multiple-20160304-0	0.3357	0.3656
<input type="checkbox"/>	5		single-20131204-192918	0.3771	0.4181
<input type="checkbox"/>	6		single-20160407-104855	0.3312	0.3487
<input type="checkbox"/>	7		test021501-continuous-201602	0.3331	0.3633
<input type="checkbox"/>	8		test021501-continuous-201602	0.3325	0.3635

2-5) UI Instruction

◆ Users can view the different charts by switch.



CIE1931 CIE1976

CIE1931/ CIE1976
(Color Coordinates Switch)

ANSI IEC

C78.377/ SDCM
(CCT Standard Switch)

CRI CQS

CRI/ CQS
(CQS only for Advanced users)

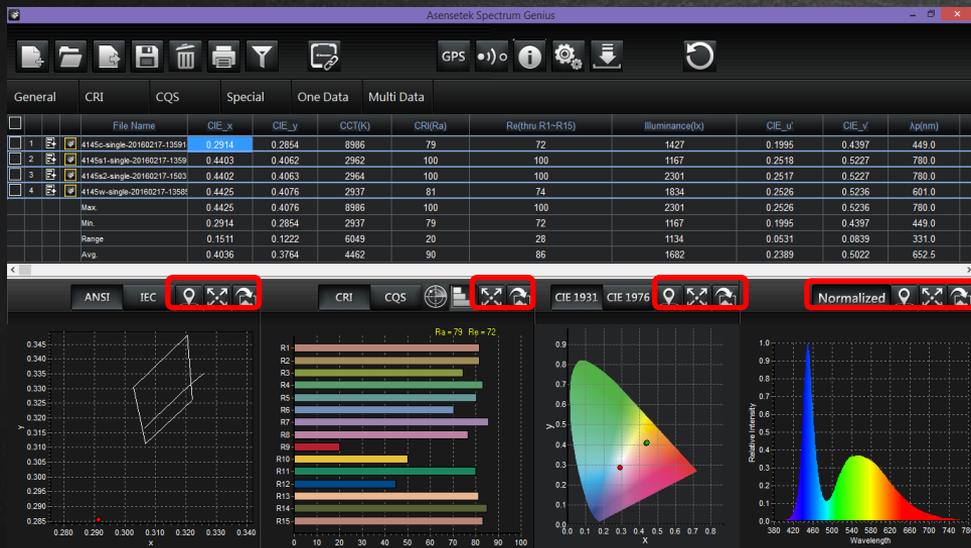


Radar chart/ Bar chart
(For R1 - R15/ Q1 - Q15)

* ①②④ are for Advanced Users only.

2-6) UI Instruction

◆ The small function keys will help users to check the charts by a much convenient way, and save the required chart directly.



① Show Coordinate
(Show the coordinate on chart)



② Zoom In/ Zoom Out
(Zoom in/ out the chart.)



③ Save Image
(Save the chart as an image.)

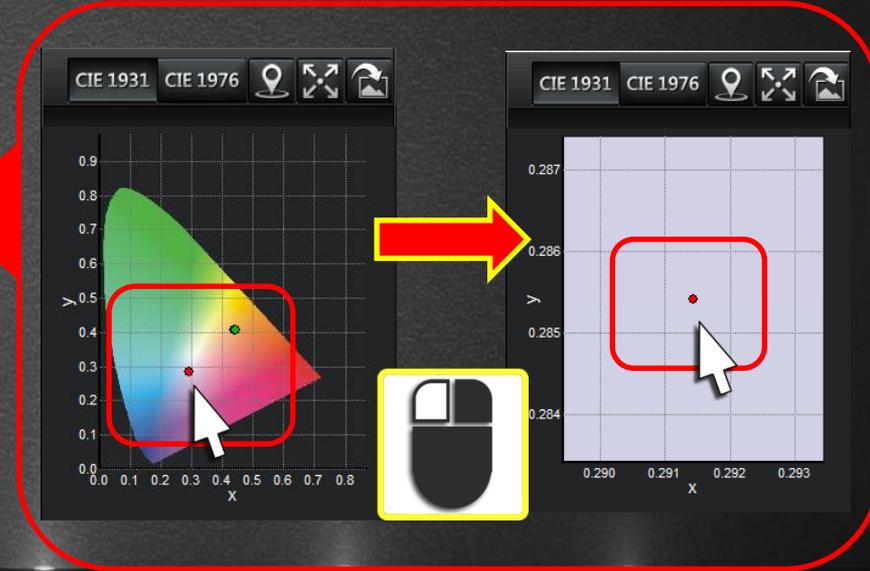
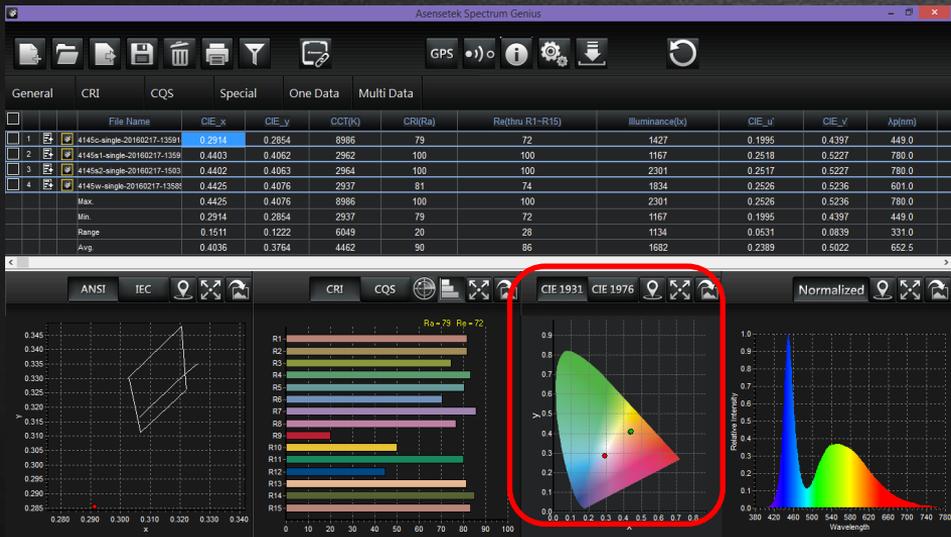


④ Normalized
(Switch the Normalized or not)

* This function is for Advanced Users only.

2-7) UI Instruction

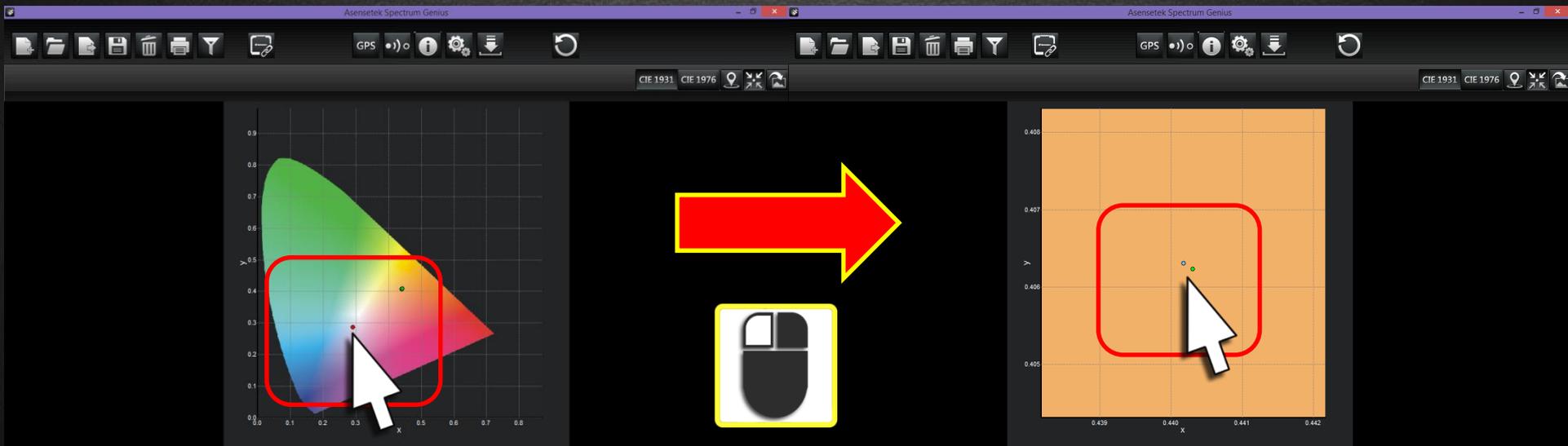
◆ In the CIE chart, users can use the left mouse button to click the color point to enlarge it; click again, the focal chart will be restored.



* This function is for Advanced Users only.

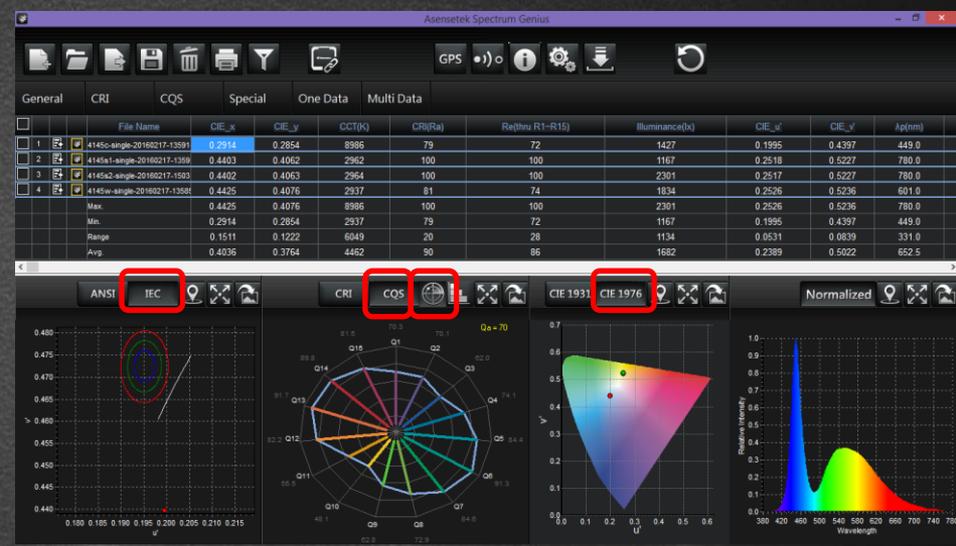
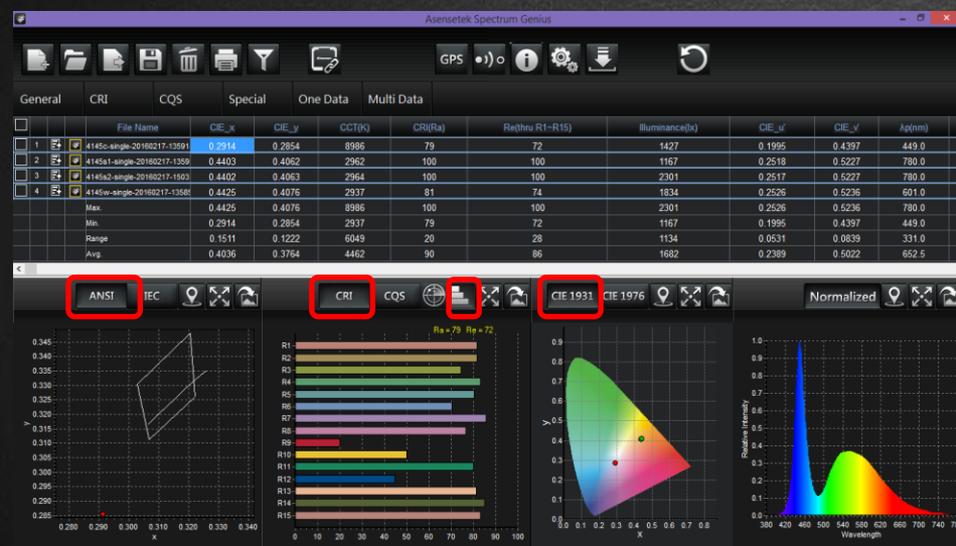
2-8) UI Instruction

◆ Likewise, users can enlarge again the CIE chart in the zoom in mode, and click again will be restored.



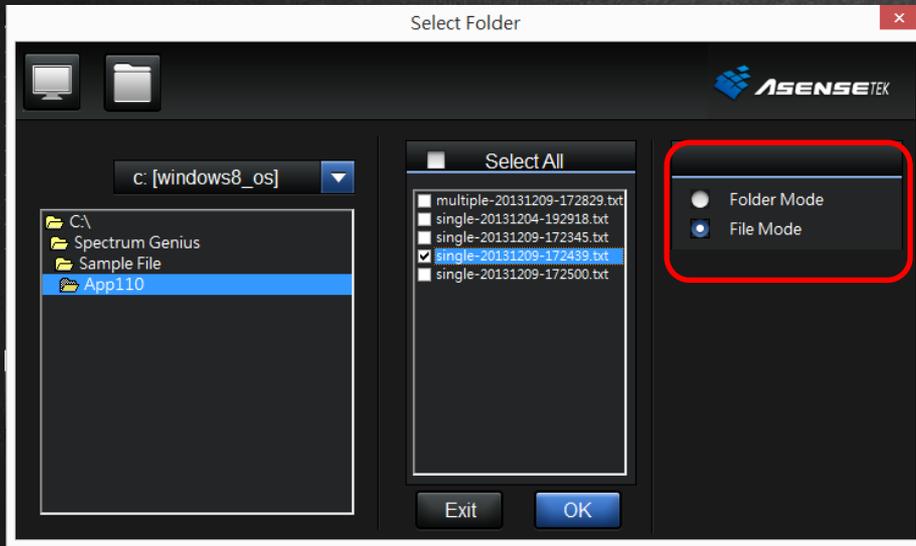
2-9) UI Instruction

◆ Users can select and check CIE 1931, CIE 1976, C78.377-2008, IEC-SDCM, CRI, CQS, Radar chart, Bar chart.



3-2) New File – load the measuring data

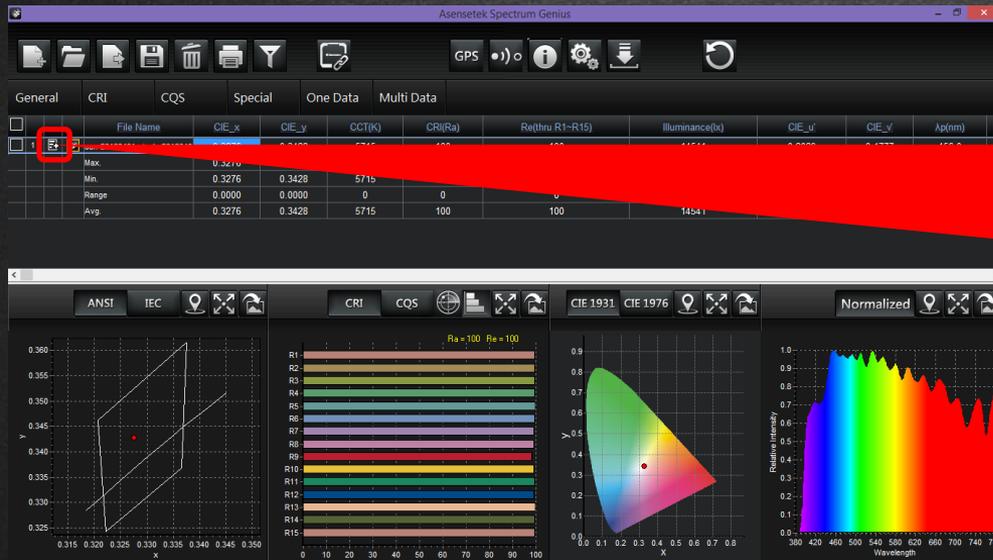
- ◆ There are two models to load the measurement data, “**File Mode**” and “**Folder Mode**”. Users can select measurement **txt** file directly



in the Folder Mode; and then Folder Mode will automatically read the **txt** file of the measurement folder which users copy from the mobile device.

3-3) New File – load the measuring data

◆ If the note of App measurement data is filled in, those information could be viewed here. Please noticed the note of multiple or continuous measurement are bonding.



The InfoEdit dialog box contains the following fields and controls:

- Product name:
- Manufacture:
- Time:
- File name:
- User:
- Temperature(°c):
- Humidity(%):
- Distance(m):
- Lamp warming time:
- Subtract background:
- PC Measure:
- GPS:
- Note:
- Save:

4) General (One Data)

◆ Here, you can check the Max., Min., Range and Avg. of CIE_x, CIE_y, CIE_u', CIE_v', CCT, CRI, Illuminance, λ_p of measuring data.

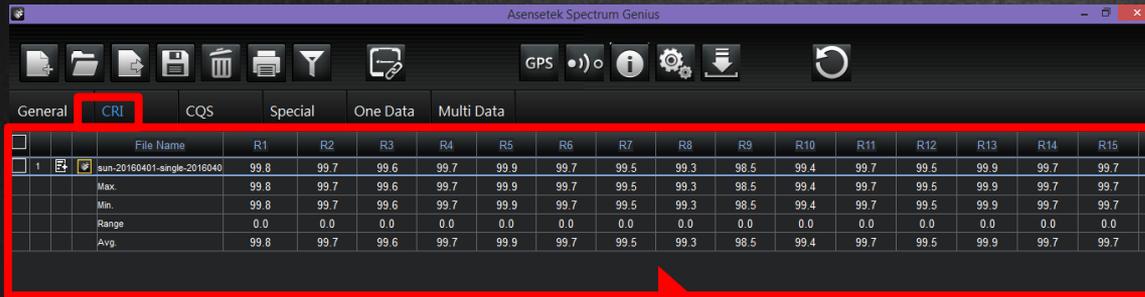
Planckian Locus and Isotemperature Line can be showed by "Select CCT Line" of Settings page.

File Name	CIE_x	CIE_y	CCT(K)	CRI(Ra)	Re(thru R1~R15)	Illuminance(lx)	CIE_u'	CIE_v'	λ_p (nm)
sun-20160401-single-2016040	0.3276	0.3428	5715	100	100	14541	0.2029	0.4777	456.0
Max.	0.3276	0.3428	5715	100	100	14541	0.2029	0.4777	456.0
Min.	0.3276	0.3428	5715	100	100	14541	0.2029	0.4777	456.0
Range	0.0000	0.0000	0	0	0	0	0.0000	0.0000	0.0
Avg.	0.3276	0.3428	5715	100	100	14541	0.2029	0.4777	456.0

General	CRI	CQS	Special	One Data	Multi Data	File Name	CIE_x	CIE_y	CCT(K)	CRI(Ra)	Re(thru R1~R15)	Illuminance(lx)	CIE_u'	CIE_v'	λ_p (nm)
1						sun-20160401-single-2016040	0.3276	0.3428	5715	100	100	14541	0.2029	0.4777	456.0
						Max.	0.3276	0.3428	5715	100	100	14541	0.2029	0.4777	456.0
						Min.	0.3276	0.3428	5715	100	100	14541	0.2029	0.4777	456.0
						Range	0.0000	0.0000	0	0	0	0	0.0000	0.0000	0.0
						Avg.	0.3276	0.3428	5715	100	100	14541	0.2029	0.4777	456.0

5) CRI

◆ Here, you can check the Max., Min., Range and Avg. of R1 to R15 of measuring data.



AsenseTek Spectrum Genius

General **CRI** CQS Special One Data Multi Data

File Name	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
sun-20160401-single-2016040	99.8	99.7	99.6	99.7	99.9	99.7	99.5	99.3	98.5	99.4	99.7	99.5	99.9	99.7	99.7
Max.	99.8	99.7	99.6	99.7	99.9	99.7	99.5	99.3	98.5	99.4	99.7	99.5	99.9	99.7	99.7
Min.	99.8	99.7	99.6	99.7	99.9	99.7	99.5	99.3	98.5	99.4	99.7	99.5	99.9	99.7	99.7
Range	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Avg.	99.8	99.7	99.6	99.7	99.9	99.7	99.5	99.3	98.5	99.4	99.7	99.5	99.9	99.7	99.7



ANSI IEC CRI CQS Normalized



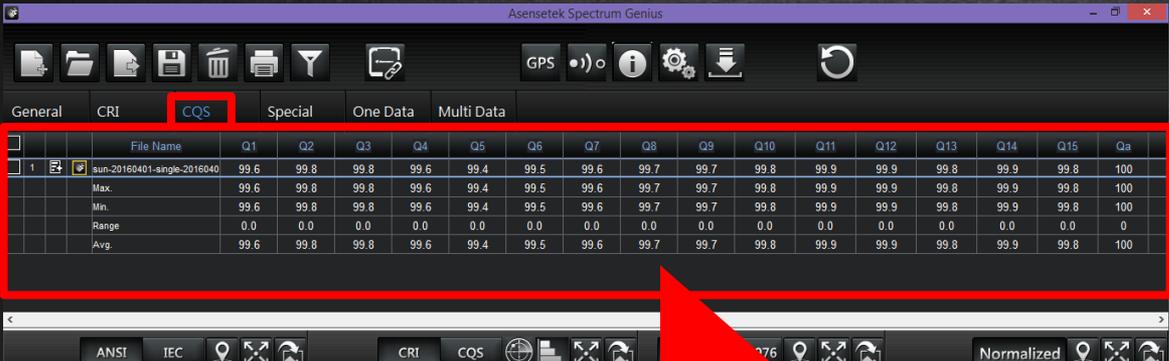
General **CRI** CQS Special One Data Multi Data

File Name	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
sun-20160401-single-2016040	99.8	99.7	99.6	99.7	99.9	99.7	99.5	99.3	98.5	99.4	99.7	99.5	99.9	99.7	99.7
Max.	99.8	99.7	99.6	99.7	99.9	99.7	99.5	99.3	98.5	99.4	99.7	99.5	99.9	99.7	99.7
Min.	99.8	99.7	99.6	99.7	99.9	99.7	99.5	99.3	98.5	99.4	99.7	99.5	99.9	99.7	99.7
Range	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Avg.	99.8	99.7	99.6	99.7	99.9	99.7	99.5	99.3	98.5	99.4	99.7	99.5	99.9	99.7	99.7

* This function is for Advanced Users only.

6) CQS

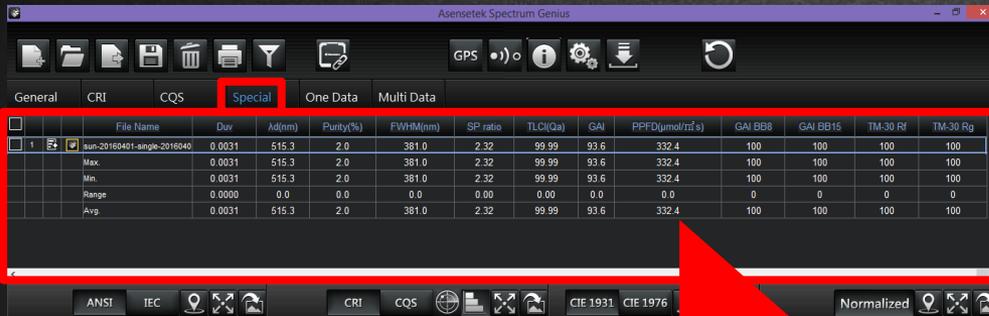
◆ Here, you can check the Max., Min., Range and Avg. of Q1 to Q15 of measuring data.



7) Special

* Standard User only can check Qa, λ D Purity and PPFD.

◆ Here, you can check the Max., Min., Range and Avg. of Qa, λ D, Purity, FWHM, PPFD, SP Ratio of measuring data.



General	CRI	CQS	Special	One Data	Multi Data									
		File Name	Duv	λ d(nm)	Purity(%)	FWHM(nm)	SP ratio	TLCI(Qa)	GAI	PPFD(μ mol/m ² s)	GAI BB8	GAI BB15	TM-30 Rf	TM-30 Rg
1		sun-20160401-single-2016040	0.0031	515.3	2.0	381.0	2.32	99.99	93.6	332.4	100	100	100	100
		Max.	0.0031	515.3	2.0	381.0	2.32	99.99	93.6	332.4	100	100	100	100
		Min.	0.0031	515.3	2.0	381.0	2.32	99.99	93.6	332.4	100	100	100	100
		Range	0.0000	0.0	0.0	0.0	0.00	0.00	0.0	0.0	0	0	0	0
		Avg.	0.0031	515.3	2.0	381.0	2.32	99.99	93.6	332.4	100	100	100	100

8) General (Multi Data)

* This function is for Advanced Users only.

◆ This function can support you to **analyze and compare** two or more measuring data. In the charts (**yellow box**), users can not only check the bits at corresponding positions of those data, can

also go to "Settings" page to add the custom benchmark light source, and compare with the Lighting Passport measurement data.

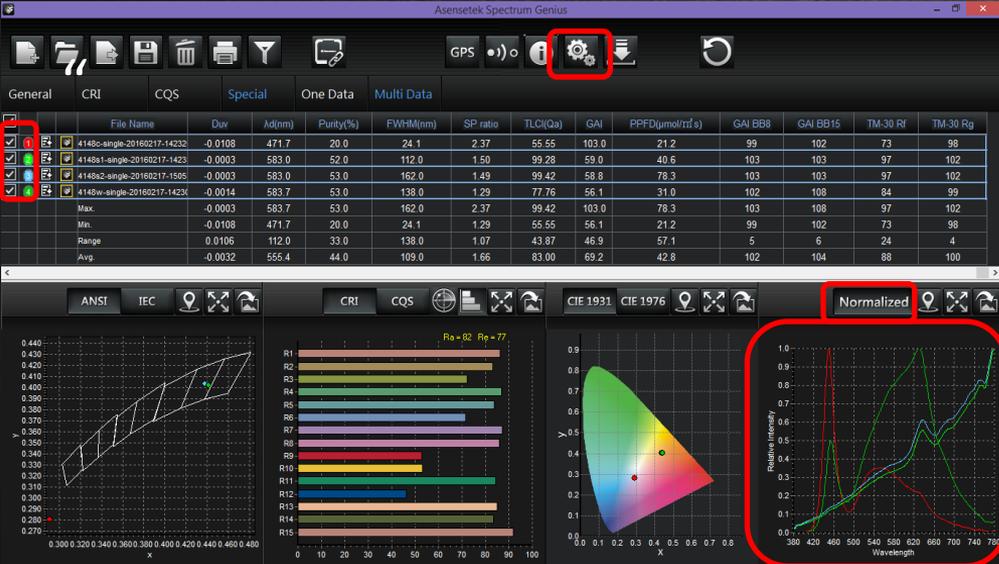


* This function is for Advanced Users only.

9) Normalized and Palette Generators(Multi Data)

◆ "Normalized" button can switch the normalization display in the spectrum chart of all measuring data; users can also change the

label color of data items in the "Settings" page, and the data's spectrum color line will follow the setting change.



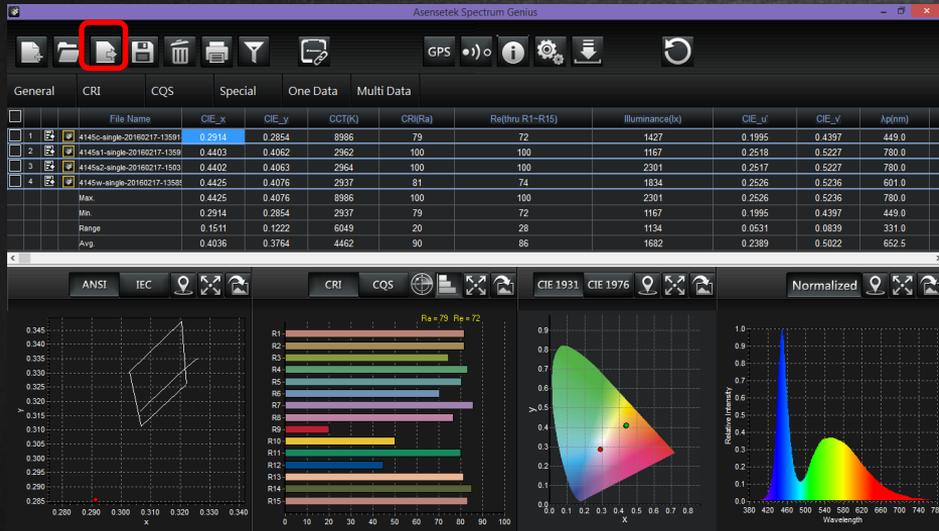
10) Open File/ Save File

- ◆ After you review the measurement data, You can save this project as **".dat file"** (maybe you have multiple measurement data) by the fourth icon **"Save File"**; you can open **".dat file"** and **"excel file"** by the second icon **"Open file."**



11) Export

◆ You can export the Excel (.csv) form.

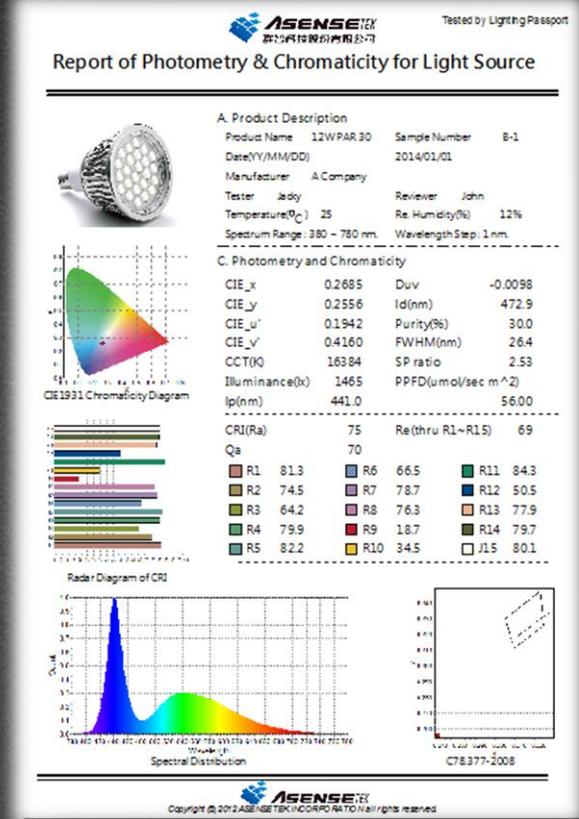
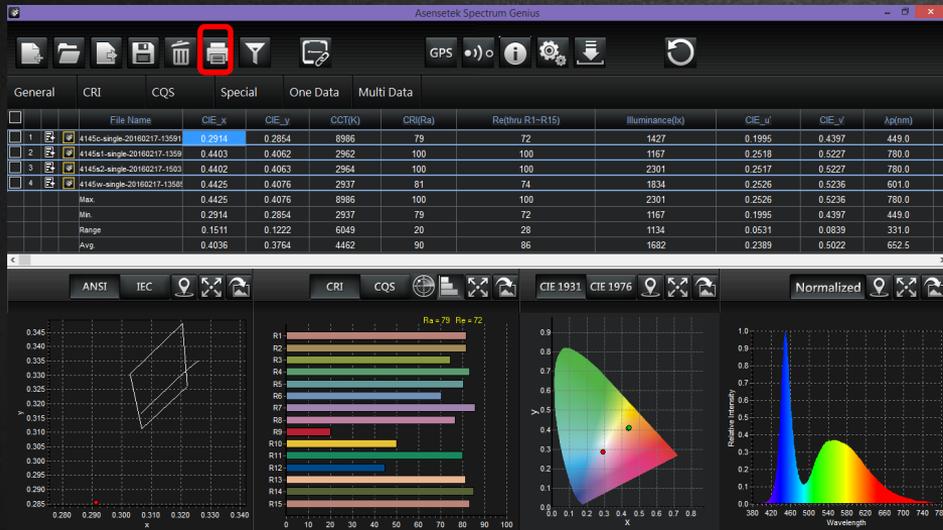


The screenshot shows an Excel spreadsheet with the following data:

File Name	CIE_x	CIE_y	CCT	CRI	Illuminance	CIE_u'	CIE_v'
1 continuous	0.4764	0.4177	2537	97	28142	0.27	0.5325
2	0.4773	0.4177	2526	97	29295	0.2705	0.5326
3	0.4774	0.4177	2524	97	44432	0.2706	0.5327
4	0.4771	0.4172	2525	97	29442	0.2706	0.5324
5	0.4768	0.4179	2534	97	45476	0.2701	0.5327
6	0.4771	0.4181	2532	97	45898	0.2702	0.5328
7	0.477	0.4175	2529	97	43606	0.2704	0.5325
8	0.4763	0.4173	2536	97	45874	0.27	0.5324
9	0.475	0.4184	2530	97	46829	0.2703	0.5327
10	0.476	0.4176	2542	97	43399	0.2687	0.5326
11	0.4766	0.4178	2536	97	47121	0.2697	0.5326
12	0.4755	0.4173	2546	97	28176	0.27	0.5324
13	0.4779	0.418	2521	97	24098	0.2695	0.5326
14	0.4753	0.4183	2555	97	43162	0.2708	0.5322
15	0.4774	0.4175	2523	97	46235	0.269	0.5329
16	0.4777	0.4178	2522	97	44919	0.2707	0.5326
17	0.4771	0.4174	2526	97	41069	0.2707	0.5326
18	0.4768	0.4182	2536	97	28452	0.2705	0.5328
19	0.4784	0.4184	2517	97	46848	0.27	0.5325
20				97	43948	0.2709	0.5327

12-1) Print Report

◆ You can print the professional report.



12-2) Print Report

◆ You can also add the product picture in the reports. * Advanced User can put their logo on the report.

AsenseTek Spectrum Genius

Print Information

Product Name: 12W PAR 30
Manufacturer: A Company
Sample Number: B-1
Tester: Jacky
Date: 2014/01/01
Reviewer: John
Temperature: 25
Re. Humidity: 12%

Select Mode
One Data Print
Multiple Data Print

Color Coordinate
CIE1931
CIE1976

Select CCT Standard
C78.377-2008
IEC SDCM

Select CRI/CQS Diagram
CRI in Radar
CRI in Histogram
CQS in Radar
CQS in Histogram

Product image
Company Logo

Illuminance(x)	CIE_x'	CIE_y'	Ap(nm)
1427	0.1995	0.4397	449.0
1167	0.2518	0.5227	780.0
2301	0.2517	0.5227	780.0
1834	0.2526	0.5236	691.0
2301	0.2526	0.5236	780.0
1167	0.1995	0.4397	449.0
1134	0.0531	0.0839	331.0
1682	0.2389	0.5022	652.5

CIE 1976

Normalized

Relative Intensity

Wavelength

Logo

Tested by LightningPassport

Report of Photometry & Chromaticity for Light Source

A. Product Description

Product Name	12W PAR 30	Sample Number	B-1
Date(Y/M/D)			2014/01/01
Manufacturer	A Company		
Tester	Jacky	Reviewer	John
Temperature(Dc)	25	Re. Humidity(%)	12%
Spectrum Range	380 - 780 nm	Wavelength Step	1 nm

C. Photometry and Chromaticity

CIE_x	0.2685	Duv	-0.0098
CIE_y	0.2556	Id(nm)	472.9
CIE_u'	0.1942	Purity(%)	30.0
CIE_v'	0.4160	FWHM(nm)	26.4
CCT(K)	163.84	SP ratio	2.53
Illuminance(x)	1465	PPFD($\mu\text{mol}/\text{sec}/\text{m}^2$)	
Ip(nm)	441.0		56.00

CRI(Ra) 75 Re(thru R1-R15) 69

Qa 70

R1	81.3	R6	66.5	R11	84.3
R2	74.5	R7	78.7	R12	50.5
R3	64.2	R8	76.3	R13	77.9
R4	79.9	R9	18.7	R14	79.7
R5	82.2	R10	34.5	R15	80.1

Radar Diagram of CRI

Spectral Distribution

C78.377-2008

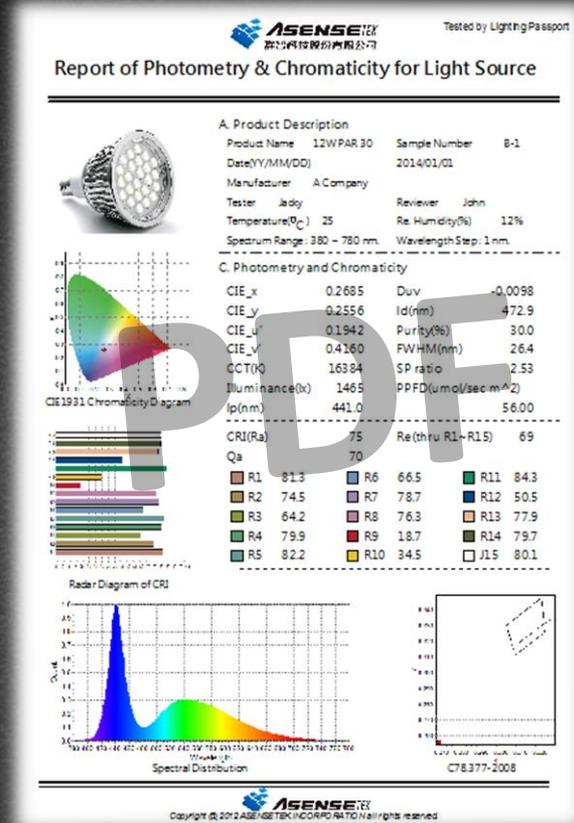
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12-3) Print Report

◆ If users want to export the PDF file, please download and install the PDF Printer.

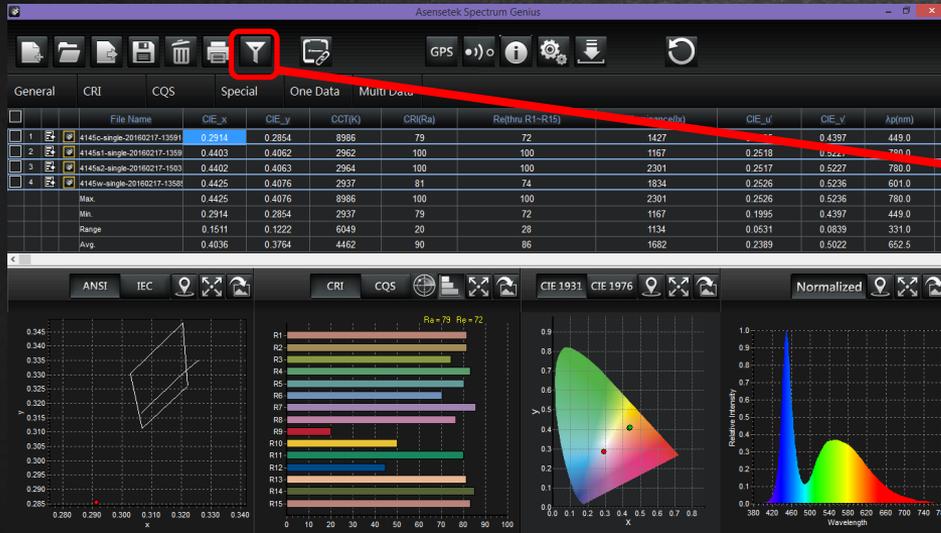
(* Please refer Bullzip website and get a free download.)

◆ In the preview page, please click the "Printer Setup" and choose the Bullzip PDF Printer as the export printer, then click the "Print" to export the PDF file.



13) Data Filter

◆ You can set up the lower limit and upper limit Here, and the filter will show the irregular data by red.



Upper Limit	Lower Limit
5000	5500

Min. 5000
Max. 5500

Reset Apply

File Name	CIE_x	CIE_y	CCT
single-20130709-133628	0.3126	0.3312	6495
single-20130709-133808	0.3377	0.3680	5315
single-20130709-133956	0.4766	0.4174	2532
Max.	0.4766	0.4174	6495
Min.	0.3126	0.3312	2532
Avg	0.1640	0.0862	

14) Update

◆ Users can click the "Check Version" button to download the newest version in the start menu, or click the top right "Update" key.

The screenshot displays the AsenseTek Spectrum Genius software interface. A dialog box titled "歡迎使用群智科技光譜精靈 (Version: 3.0.0)" is open, featuring the "Check Version" button highlighted with a red rectangle. The main interface includes a toolbar with an "Update" icon (a downward arrow) also highlighted in red. The software displays various data tables and graphs, including a table of file names and their corresponding CRI, CQS, and CCT values.

File Name	CIE_x	CIE_y	CCT(K)	CRI(Ra)	Ra(thru R1-R15)	Illuminance(lx)	CIE_u'	CIE_V	Ap(nm)
4145c-single-20160217-13591	0.2914	0.2854	8986	79	72	1427	0.1995	0.4397	449.0
4145s1-single-20160217-13591	0.4403	0.4062	2962	100	100	1167	0.2518	0.5227	780.0
4145s2-single-20160217-1503	0.4402	0.4063	2964	100	100	2301	0.2517	0.5227	780.0
4145w-single-20160217-13588	0.4425	0.4076	2937	81	74	1834	0.2526	0.5236	601.0
Max.	0.4425	0.4076	8986	100	100	2301	0.2526	0.5236	780.0
Min.	0.2914	0.2854	2937	79	72	1167	0.1995	0.4397	449.0
Range	0.1511	0.1222	6049	20	28	1134	0.0531	0.0839	331.0
Avg.	0.4036	0.3764	4462	90	86	1682	0.2389	0.5022	652.5

15-1) PC control – Driver install

- ◆ Please use Micro USB cable to connect your Lighting Passport Pro and PC.



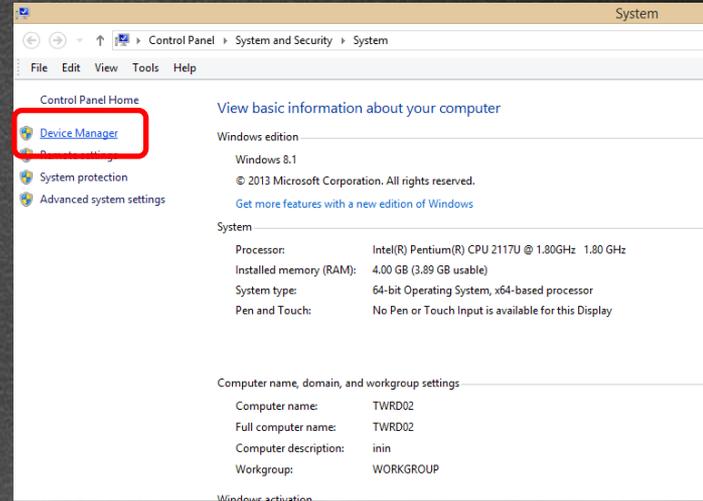
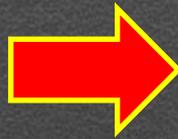
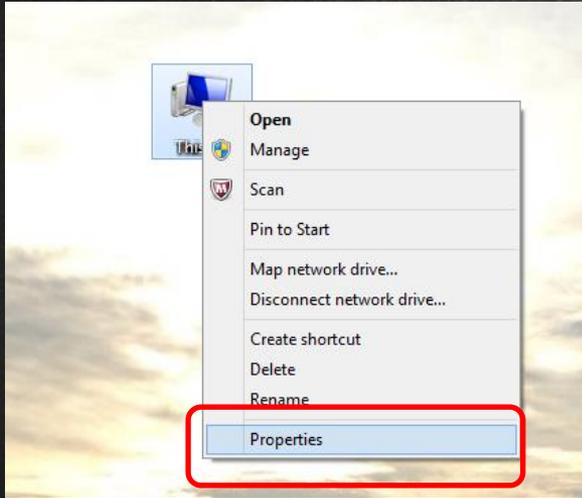
15-2) PC control – Windows 8 driver install

- ◆ If you are using Windows 8, please follow the link to disable driver signature enforcement.

<http://windows.microsoft.com/en-US/windows-8/windows-startup-settings-safe-mode>

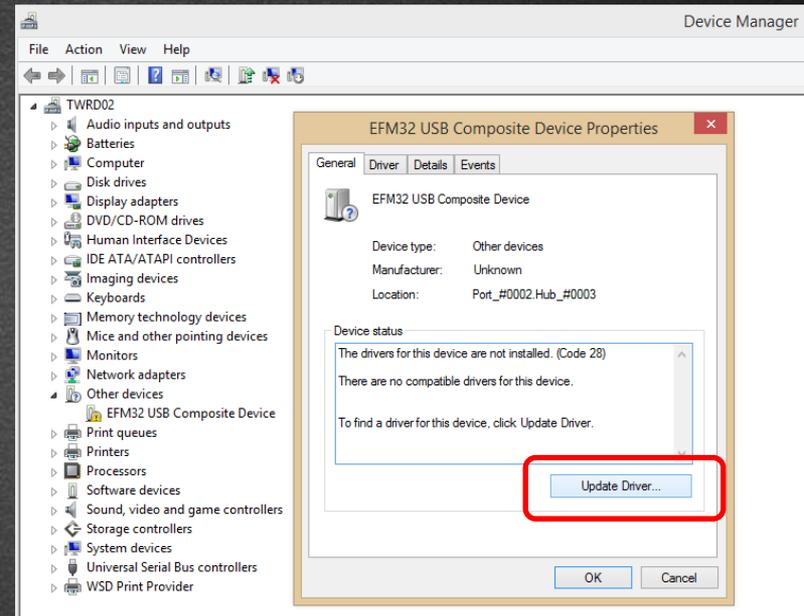
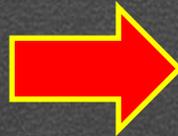
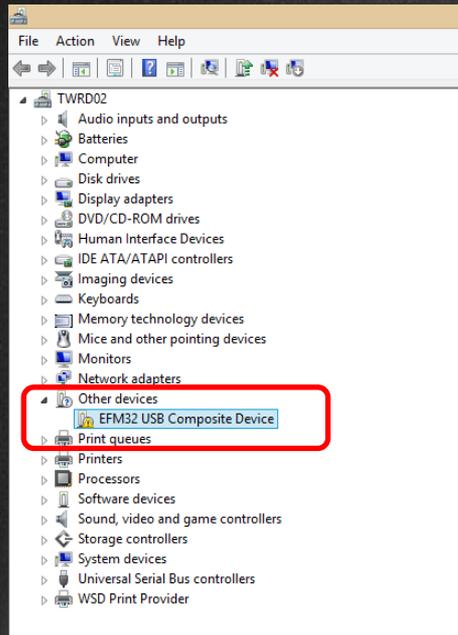
15-2) PC control – Windows 8 driver install

- ◆ Right-click “This PC” and click “Properties” to open “System” page.
- ◆ On the right side, click first item “Device Manager” to open device manager page.



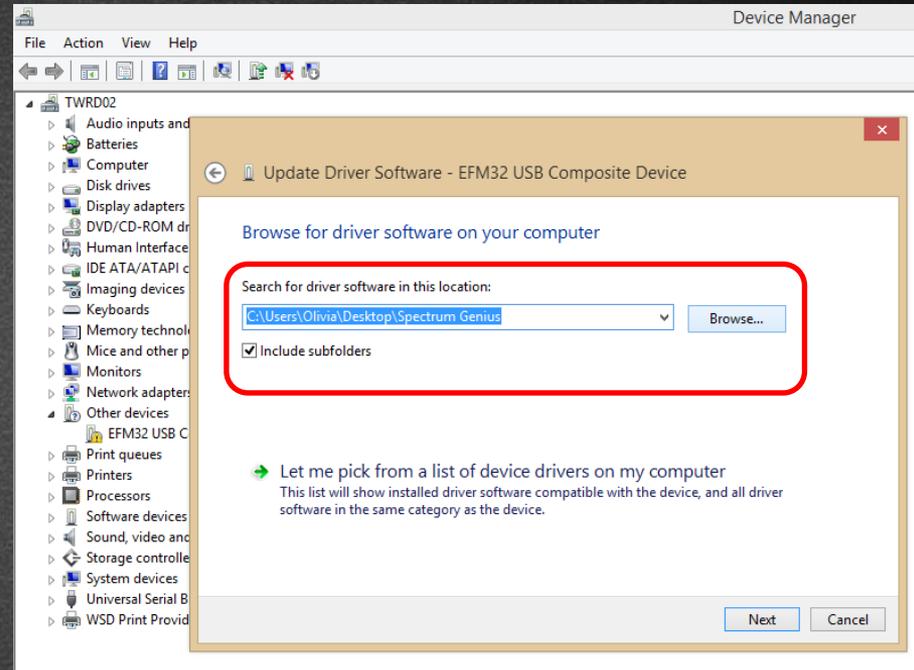
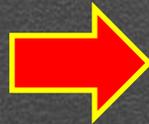
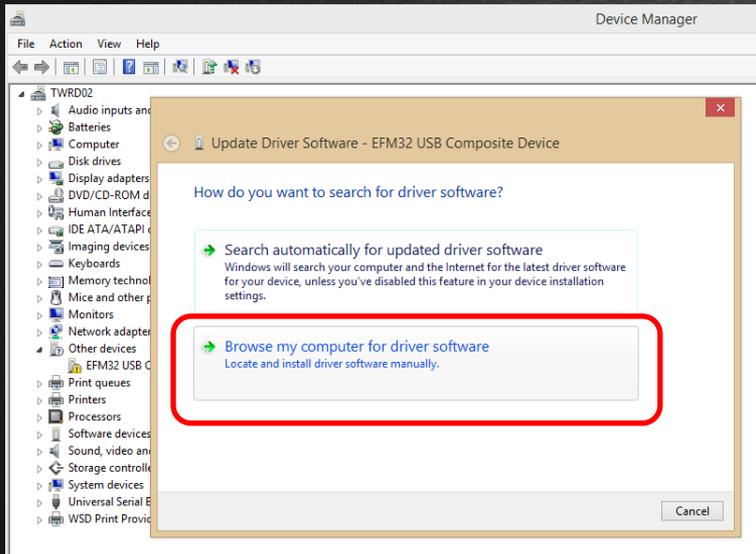
15-2) PC control – Windows 8 driver install

- ◆ Click twice “EFM32 USB Composite Device Properties” which is under “Other devices” and then click “Update Driver.”



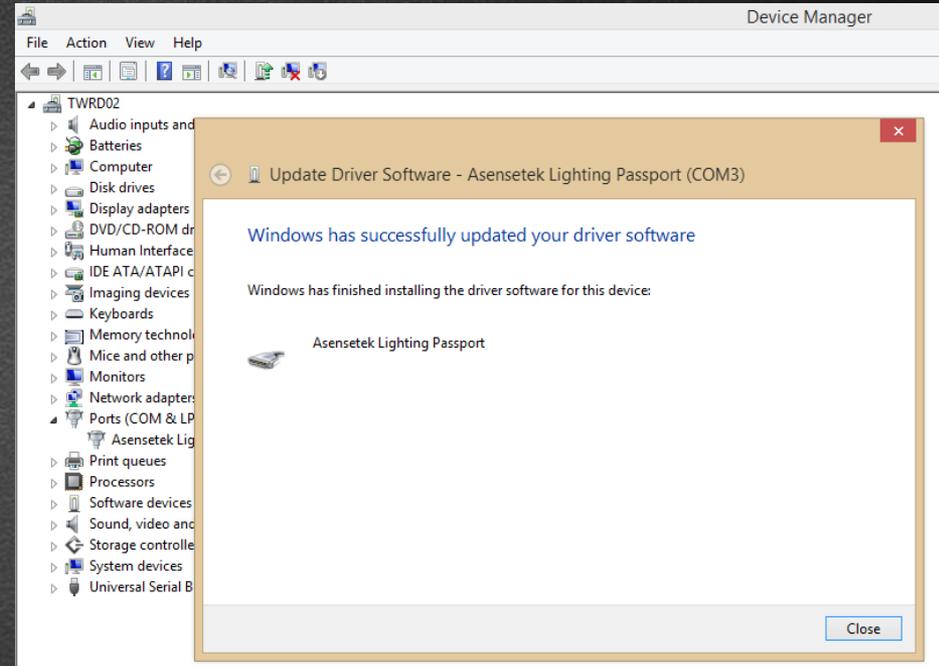
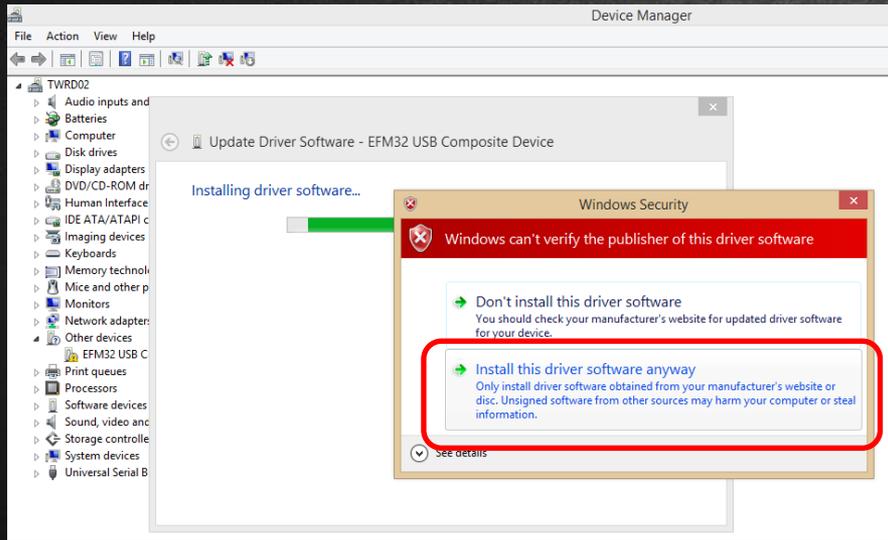
15-2) PC control – Windows 8 driver install

- ◆ Choose “Browse my computer for driver software” and setup the path to Spectrum Genius file.



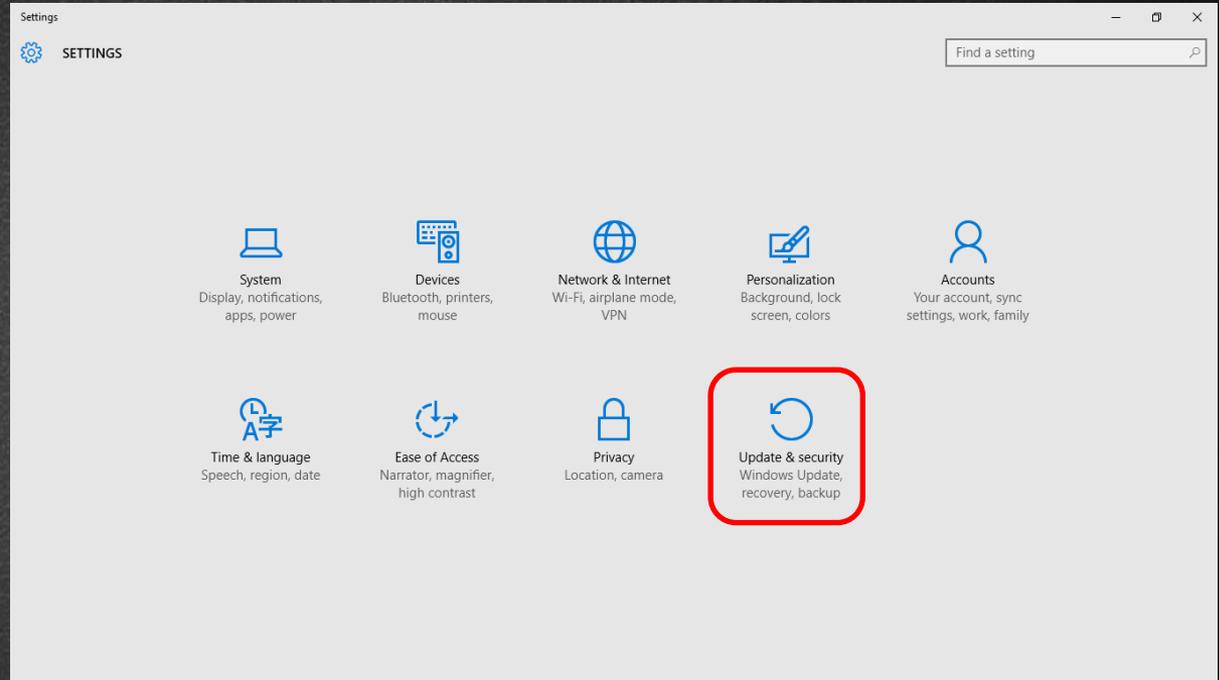
15-2) PC control – Windows 8 driver install

- ◆ When it pops up windows security message, please choose “install this driver software anyway.” The installation will be finished in few minutes.



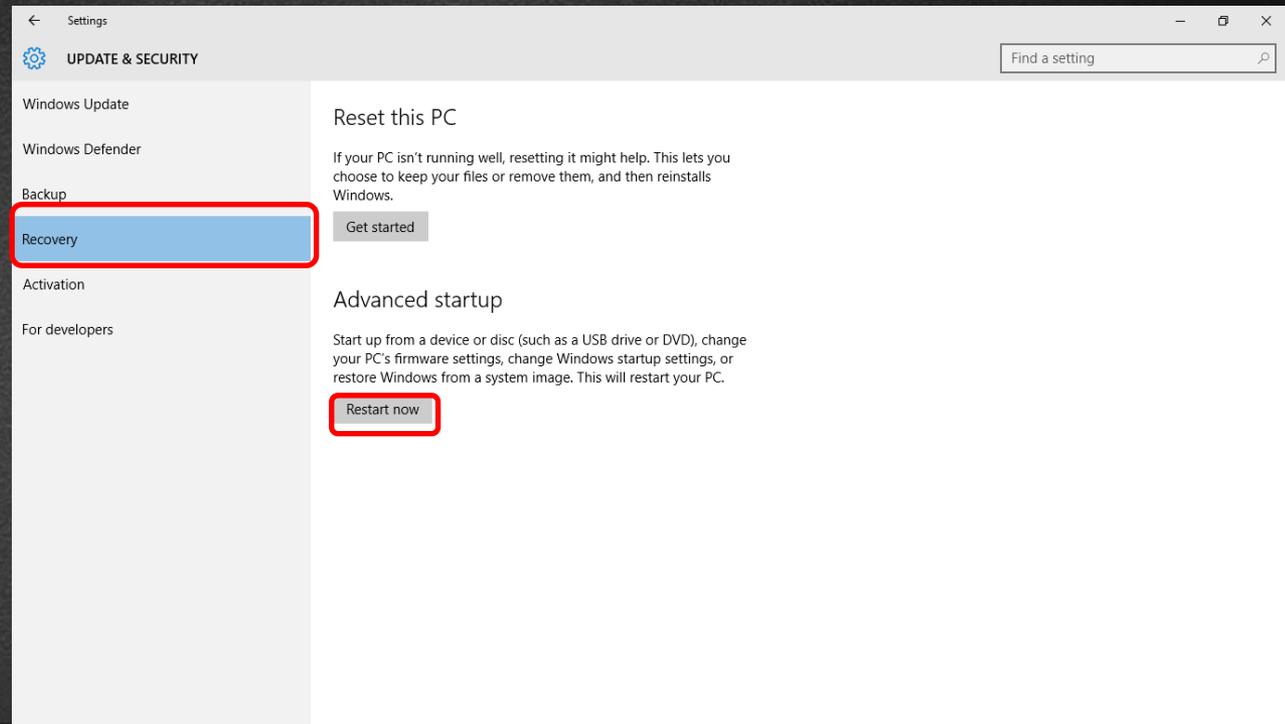
15-3) PC control – Windows 10 driver install

- ◆ Open “Settings” page and click “Update & security.”



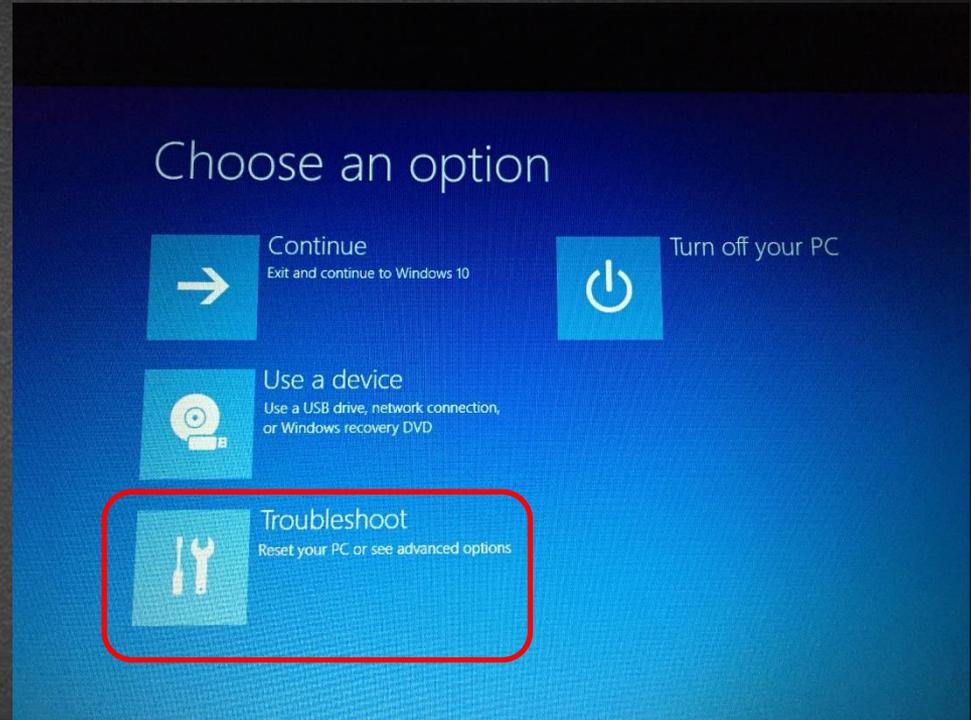
15-3) PC control – Windows 10 driver install

- ◆ On the right side of page, please click “Recovery” and then click “Restart now.” ◦



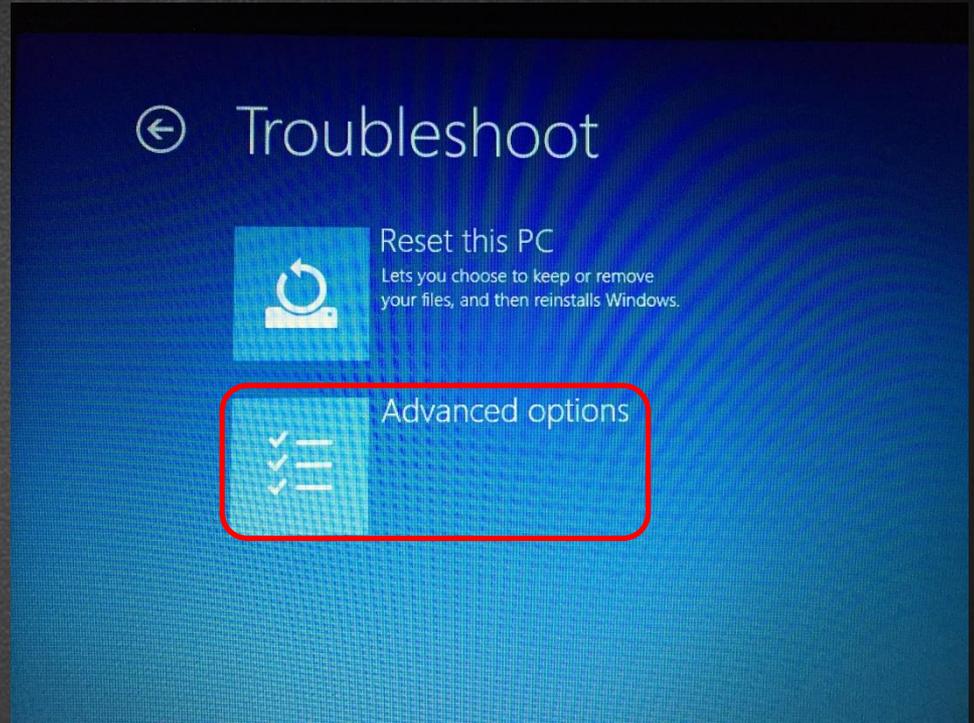
15-3) PC control – Windows 10 driver install

◆ Click “Troubleshoot.”



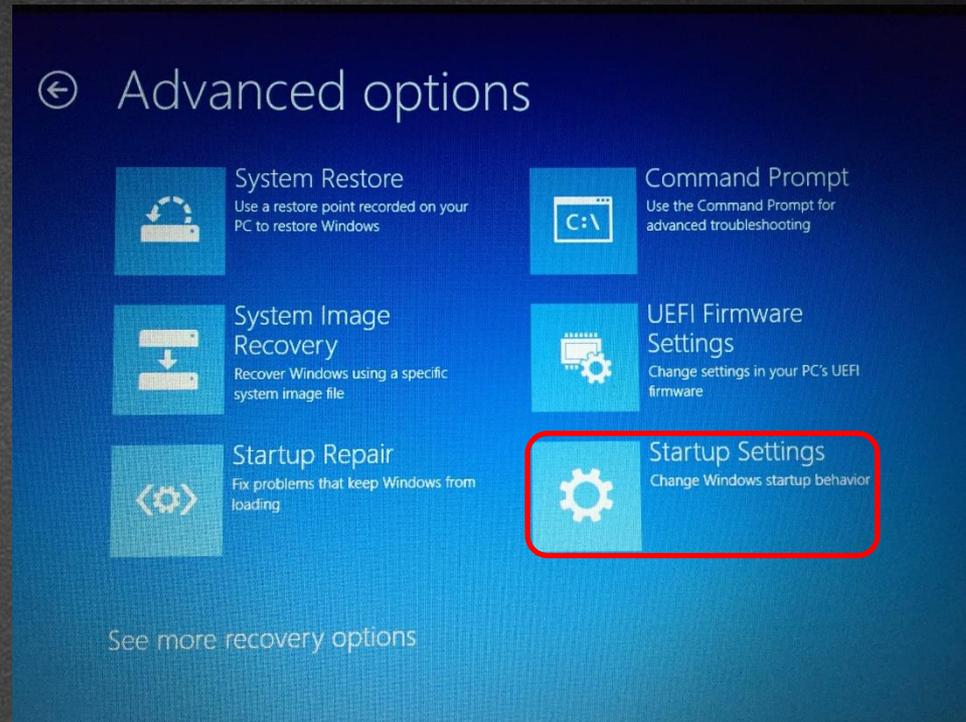
15-3) PC control – Windows 10 driver install

- ◆ Click “Advanced options” to open the list of choice.



15-3) PC control – Windows 10 driver install

- ◆ Click “Startup Settings” to change Windows startup behavior.



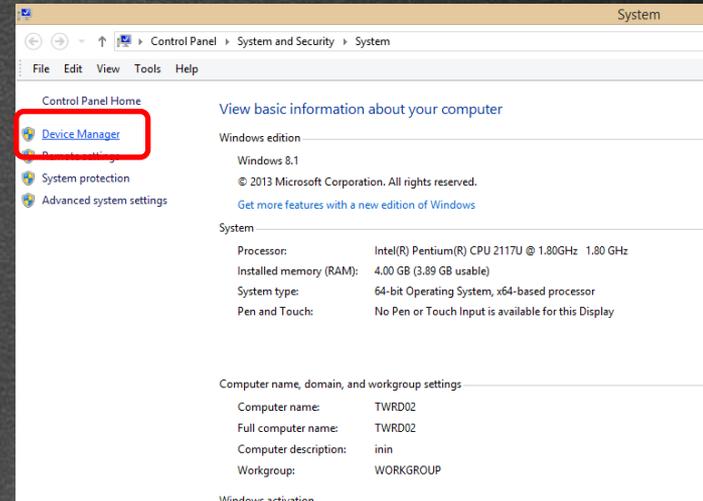
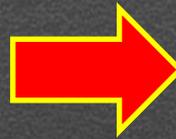
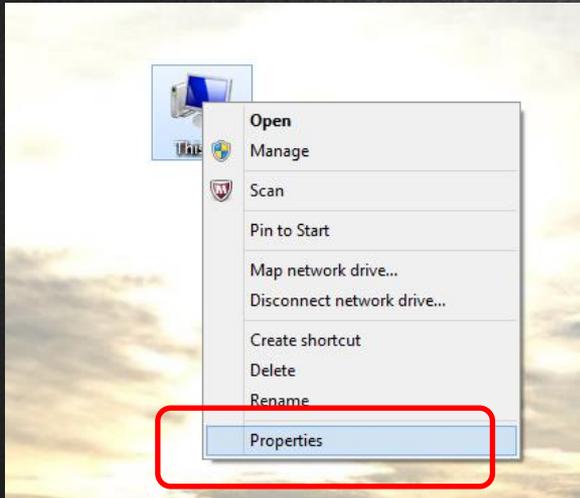
15-3) PC control – Windows 10 driver install

- ◆ When you enter startup settings page, please click “Restart” and press “7” to disable driver signature enforcement.



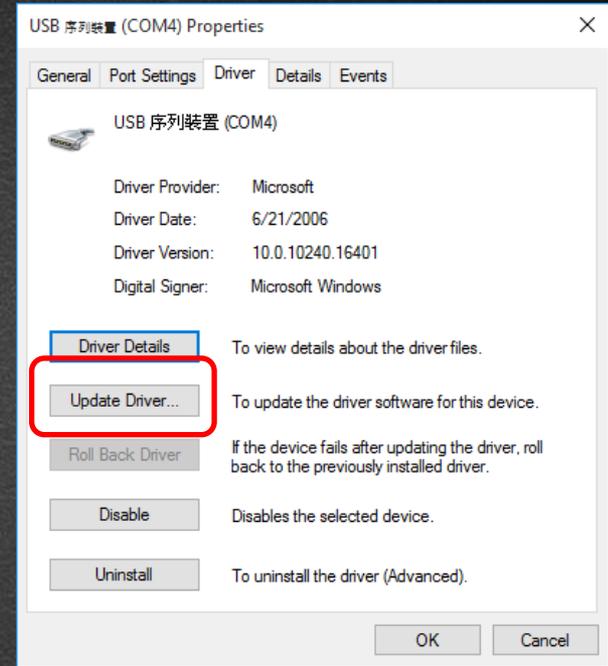
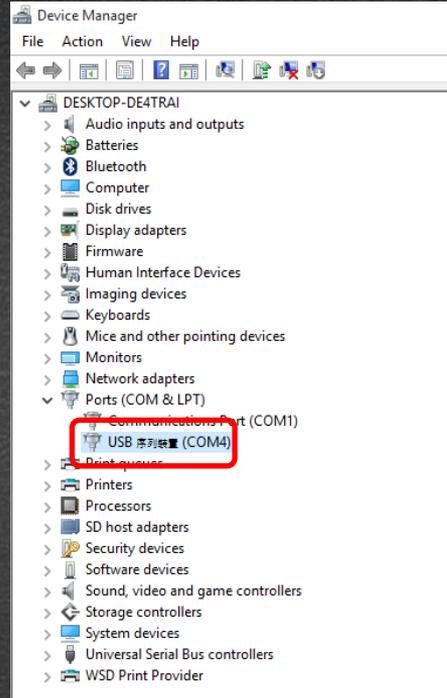
15-3) PC control – Windows 10 driver install

- ◆ Right-click “This PC” and click “Properties” to open “System” page.
- ◆ On the right side, click first item “Device Manager” to open device manager page.



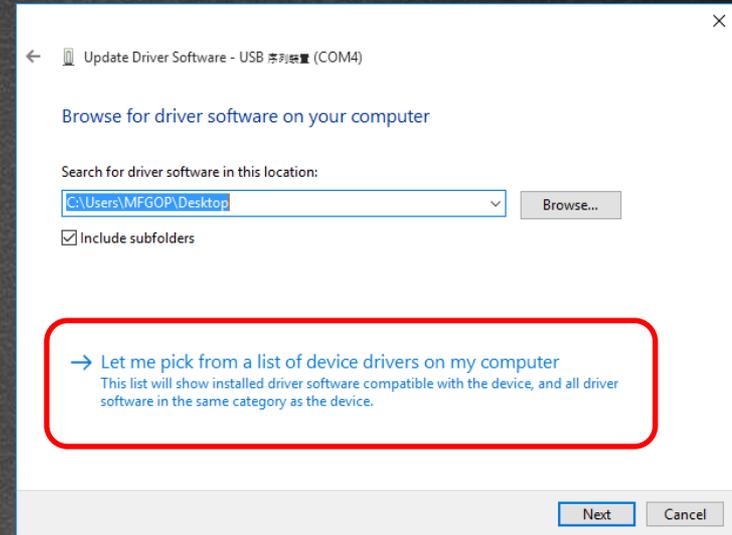
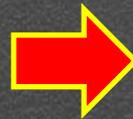
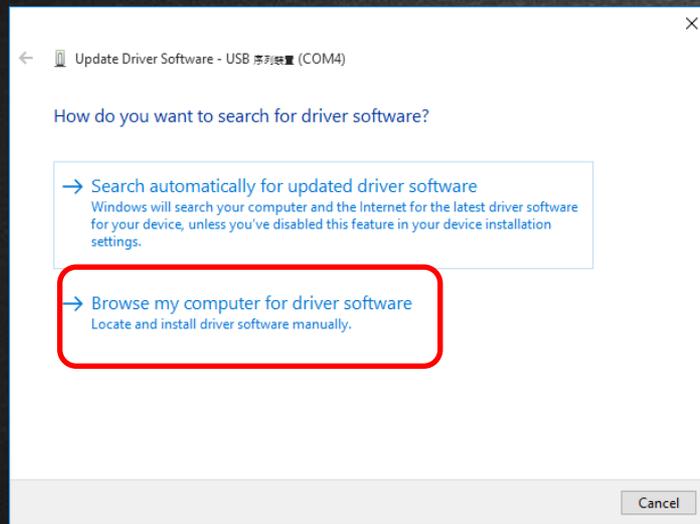
15-3) PC control – Windows 10 driver install

- ◆ Click twice “USB序列裝置 (COM3)” which is under “Ports (COM & LPT) and click “Update Driver.”



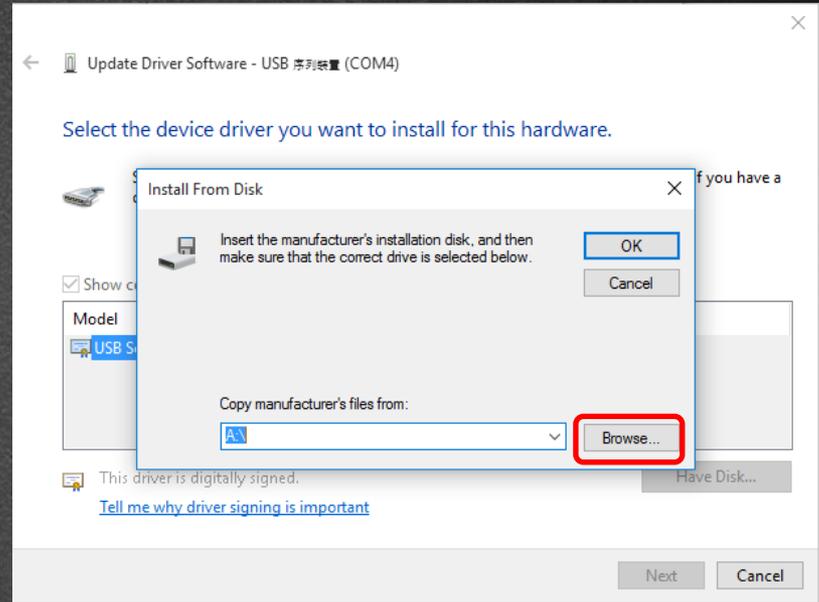
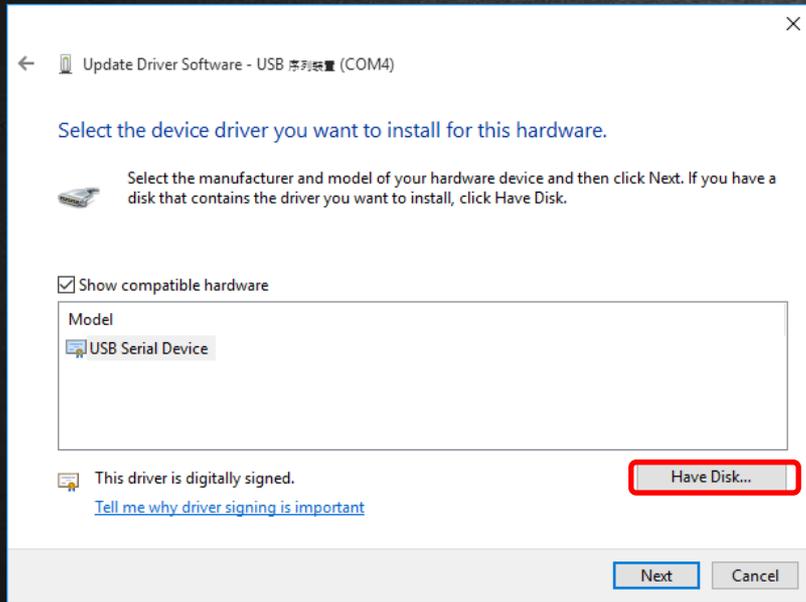
15-3) PC control – Windows 10 driver install

- ◆ Choose “Browse my computer for driver software”, and then click “Let me pick from a list of device drivers on my computer.”



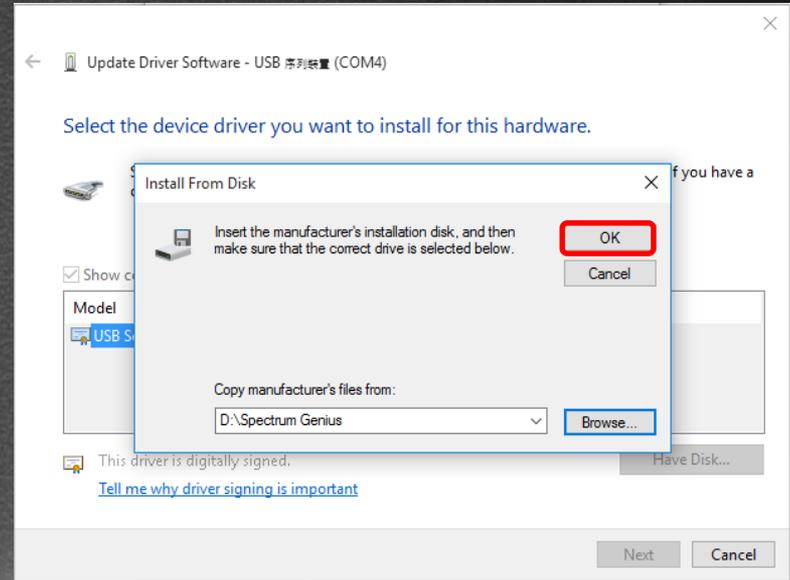
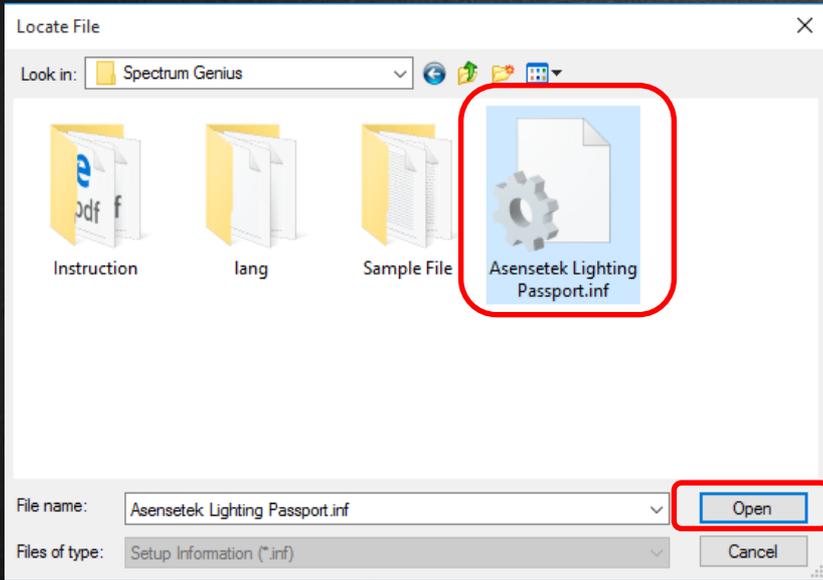
15-3) PC control – Windows 10 driver install

◆ Click “Have Disk...” and then click “Browse” to open the locate file.



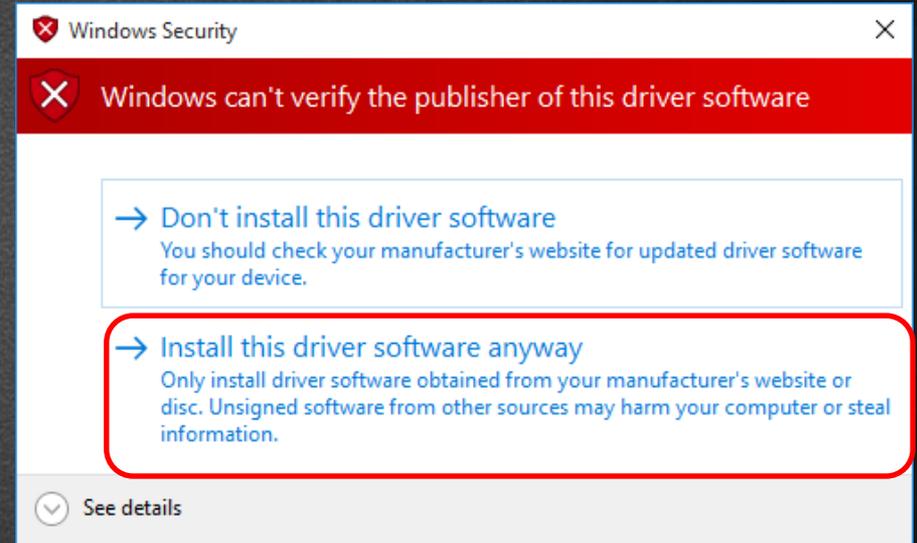
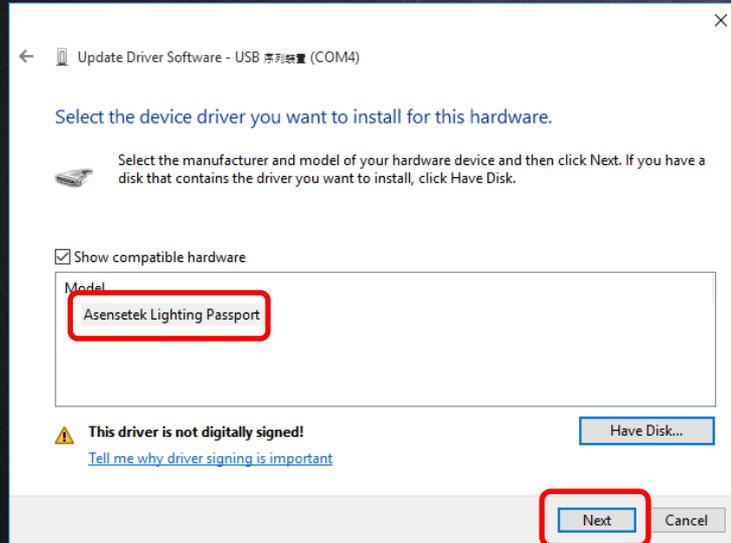
15-3) PC control – Windows 10 driver install

◆ Choose “Asensetek Lighting Passport .inf” file and click open and OK.

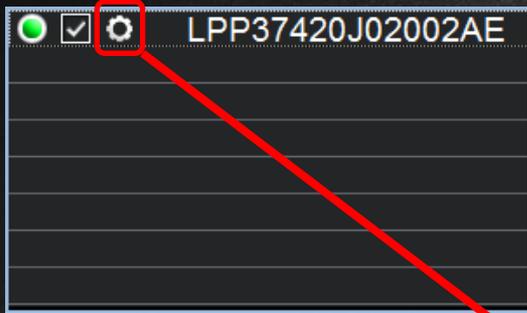


15-3) PC control – Windows 10 driver install

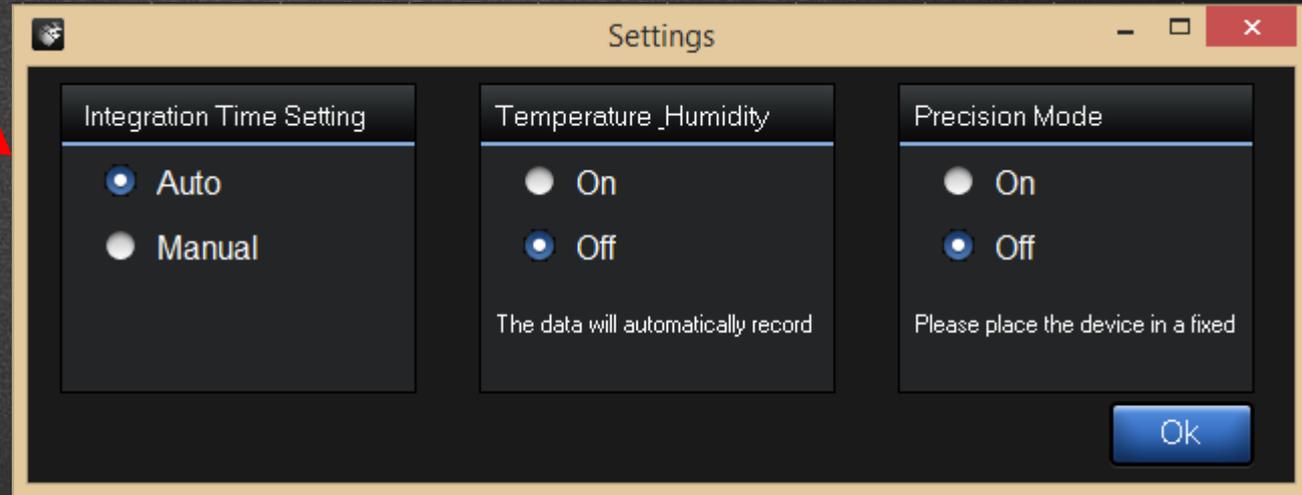
- ◆ Please make sure the model appears “Asensetek Lighting Passport, and then click “Next” to start installation.
- ◆ When it pops up windows security message, click “install this driver software anyway.” The installation will be finished in few minutes.



16-2) PC control



- ◆  Click settings to open PC control setting page. You can setup integration time, temperature & humidity and precision mode here.



16-3) PC control

- ◆ Click “Measure” and “Subtract Background” to start your measurement.



Measure



Subtract Background

