**1. Apply for Free Apple ID**

In order to the automatic App update, please apply for a new company own or personal own Apple ID, then reinstall "Spectrum Genius Mobile" App. Please refer to the following steps:

(1) Tap App Store icon, then choose a free App and tap the "GET" button to install it; the system will popup the sign in window, then choose "Create New Apple ID".

(2) Enter the "New Account" page, select your "COUNTRY OR REGION", then tap "Next" and choose "Agree", fill in your account information and tap "Next" again.

(3) BILLING INFORMATION Settings:
If you provide a payment method now, you will not be charged until you make a purchase. If you select None, you will be asked to provide a payment method when you make your first purchase.


**2. Remove the built-in APP**

Holding the "SGM" icon and tap the top left icon to remove the flagship device' built-in "Spectrum Genius Mobile" App.

**3. Reinstall APP**

Go to App Store, then search "Spectrum Genius Mobile", then tap "GET" and "INSTALL" to download the App and install it.

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**Spectrum Genius App Series**

**Spectrum Genius Mobile**
Lighting industry best helper

"SGM" is an APP used in conjunction with the "Lighting Passport". It provides users comprehensive lighting measurement functions and share those data immediately by Email, as long as recipient’s smart device has been installed SGM, they can import the measurement data to the App of their smart device.

**Spectrum Genius Transmittance**
Lens, Filter, and Screen Protector

"SGT" is an APP for measuring the transmittance of the observed object. With the convenient measuring, users can get the transmittance report of each wavelength, and users can also compare the transmittance of different objects.

**Spectrum Genius Agricultural Lighting**
Grow Light Efficient Detection

SGAL is a professional app for checking growth lamps and horticultural lighting, it allows user checking the grow light distribution at each wavelength; its unique "PAS Action Spectrum Benchmark" can help user to analyze the target growth light source more effective.
**4. Charging**
- Blue LED: On: Power on, Flash: Data transmission
- Green LED: On: Connect with external power source
- Red LED: On: Charging, Off: Full power

*If the battery is completely depleted, please turn off Lighting Passport to charge for more than 20 minutes, then turn on Lighting Passport. Please use the original adapter to charge Lighting Passport.*

**Before you use Lighting Passport first time, please charge until the Red LED off.** Besides, please use the iPAd cable to charge iPAd Touch. (With computer USB port or Apple official charger.)

**5. Separate Lighting Passport from Flagship set**

If you want to separate Lighting Passport from Flagship set, please follow the steps of the graphic expression.

**6. Remote Measurement with Stand**

If you want to make remote measurement, please follow the steps of the graphic expression to combine/separate the stand and Lighting Passport.

**7. Flexible Clipper**

If you want to use the clipper attach to your mobile device (such as smartphone, tablet), please follow the steps of the graphic expression.

**8. Main Menu**

- **Single**
  - Single measurement, get one-time measurement report of the observed object(s).
- **Multiple**
  - Multiple measurement, compare the performance of the observed object(s).
- **Continuous**
  - Continuous measurement, check the long-time stability of the observed object(s).
  
  ! *Please follow the "Help" of App to know the detailed introduction.*

**9. Specification**

**Wavelength Range**
- 380 - 780 nm

**Illuminance Range**
- Usable: 5 - 50,000 lux
- Reliable Chromaticity: 50 - 50,000 lux

**Optical Resolution**
- 8 nm

**Repeatability (2σ)**
- X: < 0.001
- Y: < 0.002

**Accuracy**
- Wavelength: ± 0.5 nm
- Nitrogen: ± 3%
- CCT: ± 2%

**Integration Time**
- 6ms ~ 16s

**Language**
- Traditional Chinese
- Simplified Chinese
- English / Japanese
- French / German
- Russian / Italian

**Measurement Capability**
- Single
- Multiple
- Continuous
- Subtract Background
- CRI (Ra) (R1-R8)
- GAI
- R1 (R1-R15)
- R1
- RG1
- Illuminance
- Foot Candle
- IEC 1931 / CIE 1976
- Spectrum Diagram
- CIE-277-2009
- EEC/EDCM
- Peak Wavelength (μm)
- Dominant Wavelength (μm)
- Power
- Duv
- SIP
- NPD (280 - 780 nm)
- TLCI (G6)
- Comparison

**10. Online Registration, Get Extended Warranty**

Registration URL:
http://www.asensetek.com/?page_id=1086

Serial number are total of 15 yards.
6000123456789

By the online registration, you will receive $1,000 worth of value-added services, including: (1) Another one year warranty extension. (2) One-time free calibration service. (3) A renew certificate report after calibration.

Please go to the registration URL to register, input the serial number of lighting passport and provide a proof photo at least one containing the purchase date (warranty card or invoice).

**11. Product Matrix**

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<tr>
<th>Lighting Passport Flagship Set</th>
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<th>Lighting Passport Essential Set</th>
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<td>☐</td>
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<tr>
<td>Stand</td>
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<td>iPAd Touch 5</td>
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<td>Replacement Parts</td>
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<td>Spectrum Genius Agricultural</td>
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<tr>
<td>Spectrum Genius Standard</td>
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<td>☐</td>
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<tr>
<td>Spectrum Genius Advanced</td>
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