

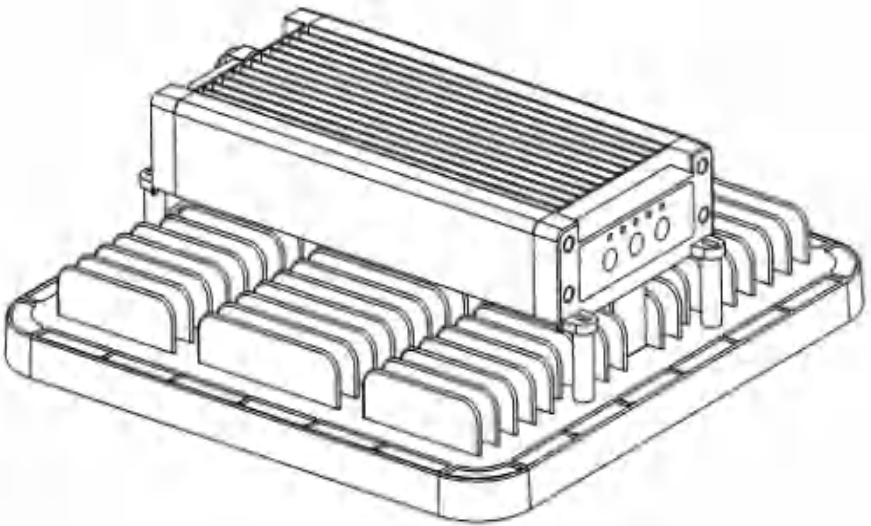
Dear Customer,

Thank you for purchasing our **Auwiz** products. To ensure correct usage and for your safely and good experience of the plant grow hobby please ensure you read through and follow all of these instructions to ensure the Plant Growth Light is used safely and correctly and keep it carefully for future reference.

Failure to do so may result in damage to the Plant Growth Light. And your warranty does not include failure caused by misuse or improper maintenance.

The company shall not be held liable for any product malfunctions or other losses resulting from failure to operate the product correctly as instructed or from unauthorized modifications.

User Manual for Plant Growth Light PGL-801



SAVE THESE INSTRUCTIONS

For the complete use and understanding of this product it is recommended that this manual is thoroughly read and understood.

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Caution:
Before installing or operating the Plant Growth Light, read and understand all safety instructions and warnings.

Safety Instructions

1.READ AND FOLLOW ALL SAFETY INSTRUCTIONS and all the important notices on the appliance before using.

Failure to do so may result in damage to this appliance.

2.This device operates on high-voltage mains power. Incorrect use can pose risks of fire, electric shock, and injury. **Always use the product as instructed.**

3.Ensure the voltage and frequency of the power supply match the rated voltage and frequency indicated on the product nameplate and in this manual. Using an incompatible power source may cause product damage and potentially lead to fire.

4.The product surface becomes very **HOT** during operation.

Do NOT touch the surface to avoid burns/scald. If the product needs to be moved, disconnect power and allow the product to cool down completely before handling.



5.During operation, the product generates heat. Ensure adequate air circulation for heat dissipation. **Never** wrap or cover the product with any object, as this creates a fire hazard.

6.Do not bend or twist the power cord during use, as this can cause the cord to overheat, potentially leading to fire or product damage. The use of extension cords is **not** recommended.

7.Do not handle the power plug or operate the power switch with wet hands to prevent electric shock. When unplugging, grip the plug firmly; do not pull directly on the cord.

8.DANGER: To avoid possible electric shock, special care should be taken if the Plant Growth Light is working in a damp environment. For each of the following situations, do not attempt to repair yourself, return the appliance to an authorized service facility for service or discard the appliance.

A. If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source.

B. Carefully examine the appliance after installation. It should not be plugged in if there is water on the parts not intended to be wet. If the appliance or any part of it falls into the water **DO NOT** reach for it. First unplug the unit before retrieving.

C. Do not operate any appliance if it has a damaged cord, transformer or plug. The power cord of this appliance cannot be replaced. If the cord is damaged, the appliance should be destroyed. Never cut the cord.

D. A “**drip loop**” & **Warnings**, shown in the figures below, should be arranged by the user for each cord connecting a Plant Growth Light to the socket. The “drip loop” is the part of the cord below the level of the receptacle, or the connector if an extension cord is in use. This prevents water from traveling along the cord and coming into the socket or power supply. If the plug or socket gets wet, **DO NOT** unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance then unplug and examine for the presence of water in the socket.



9.WARNING: This appliance is not intended for use by persons (including children) with significantly impaired physical or mental capabilities, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should always be supervised to ensure that they do not play with the appliance.

10. Always unplug the appliance from the outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank the cord to pull the power supply from the outlet. Grasp the power supply and pull to disconnect. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.

11. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, etc.

12. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing (32°F/0°C).

13. This Plant Growth Light is strictly for indoor use only. Do not use this appliance for any purpose other than its intended use.

14. Make sure the appliance is mounted correctly and securely positioned before operating it.

15. Read and observe all the important notices on the appliance.

16. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled from outlet. The connection should be carried out by a qualified electrical installer.

17. Use only the transformer supplied with this appliance to power the lighting system.

18. If a problem occurs, first refer to the troubleshooting guide in this manual. If the issue persists, contact customer service or your dealer. **Do NOT** attempt to disassemble or repair the product yourself, as improper handling can cause fire, electric shock, or other hazards.

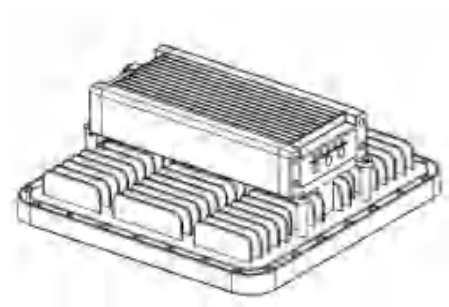
19. Always unplug the product before cleaning or performing any maintenance to prevent electric shock.

20. This product is designed for indoor use only. Keep it away from high-temperature, high-humidity environments, flammable or explosive materials, direct sunlight, and rain.
21. The product contains sensitive electronic components. Do not immerse in water or allow water to enter the unit, as this may damage the product or cause electric shock.
22. This product is not suitable for unsupervised use, operation, cleaning, or maintenance by persons lacking physical, sensory, or mental capabilities, or experience and knowledge. Where necessary, operation, use, cleaning, and maintenance must be performed under adult supervision.
23. Ensure the product is securely suspended to prevent it from falling and causing accidental damage or injury.
24. When used in enclosed or confined spaces (e.g., grow tents), ensure adequate air convection and **maintain a minimum distance of 15"(38CM)** between the product and surrounding objects (like tent walls) to prevent fire.
25. If unusual noise, smoke, or a burning smell is detected during use, immediately disconnect the power and contact customer service or your dealer.
26. During installation, ensure the product is positioned at an appropriate distance from the plants. Too close may burn/scorch plants; too far may reduce supplementation effectiveness. A distance of 50-100 cm is recommended.
27. When connecting multiple units in a daisy chain, ensure all connections are secure and do **NOT** exceed the **maximum of 20 units in a single chain.**
28. Do not disassemble, repair, or modify this product unless you are a qualified professional. Unauthorized disassembly or modification can cause fire or electric shock and will void all warranty rights.

INSTALLATION INSTRUCTIONS

Initial check: Open the packaging, before you begin, check if there is any obvious damage,ensure that nothing is missing or damaged.

Packing List



Product Unit x 1



Adjustable Hanging Hook x 1



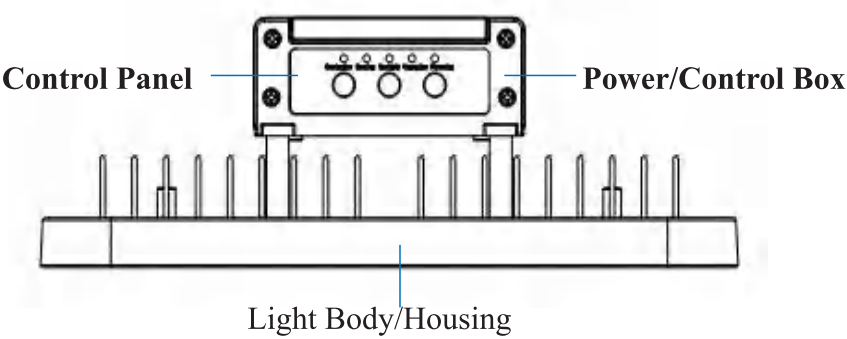
User Manual x 1



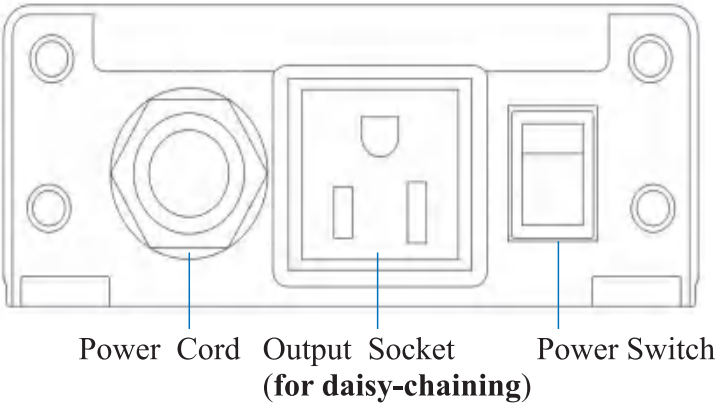
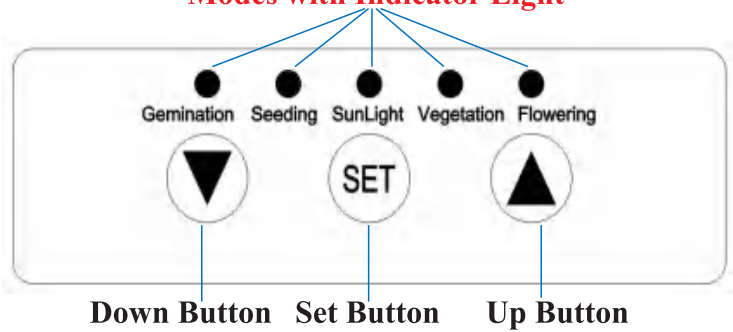
Adjustable Steel Rope (use with Adjustable Hanging Hook) x 1

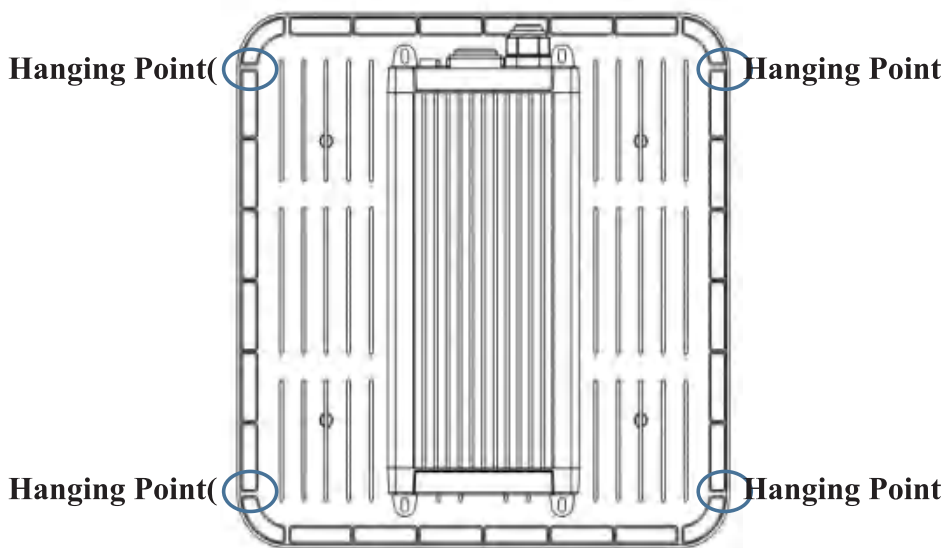
Product Introduction

Initial check: Open the packaging, before you begin, check if there is any obvious damage,ensure that nothing is missing or damaged.



Modes with Indicator Light



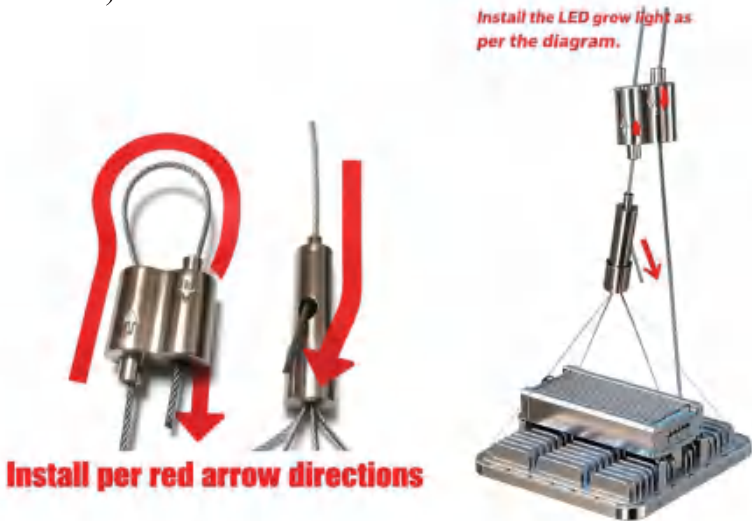


Features

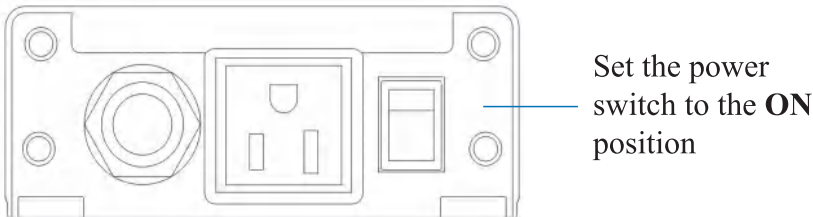
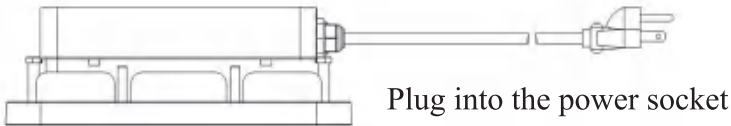
- 1.Sunlike Full Spectrum:Mimics natural sunlight,providing the complete light spectrum essential for plant photosynthesis.
- 2.Excellent Heat Dissipation:Maintains consistent light output over time and offers an extended lifespan.
- 3.High PPFD Output: Accelerates photosynthetic efficiency.
- 4.IP65 Protection Rating: Dust-tight and protected against water jets.
- 5.Touch Control:Allows free adjustment of brightness in Full Spectrum mode and selection of four preset modes:Germination,Seeding,Vegetation,and Flowering.
- 6.**APP Control**: Enables individual dimming for each light channel, creation of custom growth recipes,and scheduling of start/end times and operational cycles.
- 7.Daisy-Chaining Capability: Multiple lights can be connected in series.
- 8.Group Control:Lights can be grouped for simultaneous control via the app.
- 9.Remote Control: With an additional gateway, the product can be controlled remotely.

Operating Instructions

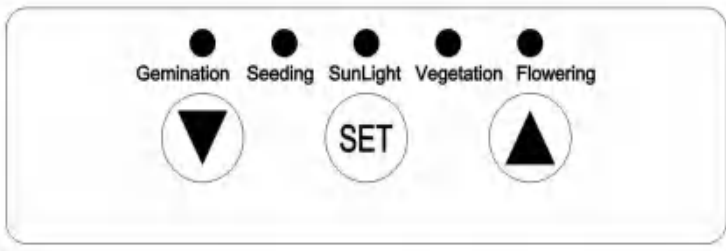
1 . Suspend the product above the plants, maintaining an **appropriate distance** (this varies by plant type;a distance of 50-100 cm is gene-rally recommended).



2 . Plug in and turn on the power switch.



3. Press the **SET** button on the control panel to select the appropriate growth stage **mode: Germination, Seeding, Vegetation, or Flowering**. When the SunLight(Full Spectrum)mode is selected, use the **Up & Down** buttons to adjust the brightness level.



For additional features, please download the control **APP**.

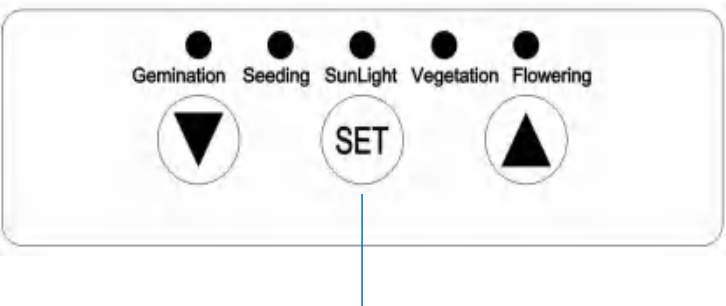
4. **APP Download:** APP control requires downloading either "Tuya" app() or "SmartLife" app().

iPhone users can download it from the Apple App Store, and **Android users** from Google Play.

5. Registration: Follow the in-app prompts to create an account.

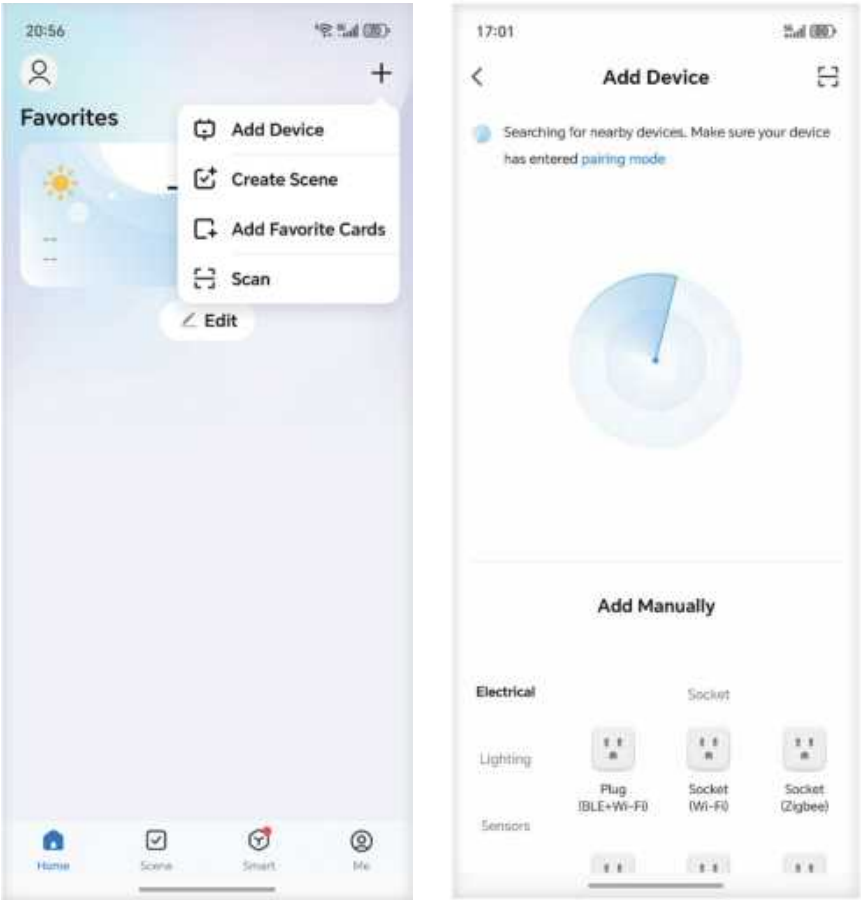
6. Adding a Device:

6.1.Press and hold the **SET** button on the light for **more than 3 seconds** until the **red** indicator light **blinks slowly**, indicating **pairing mode**.

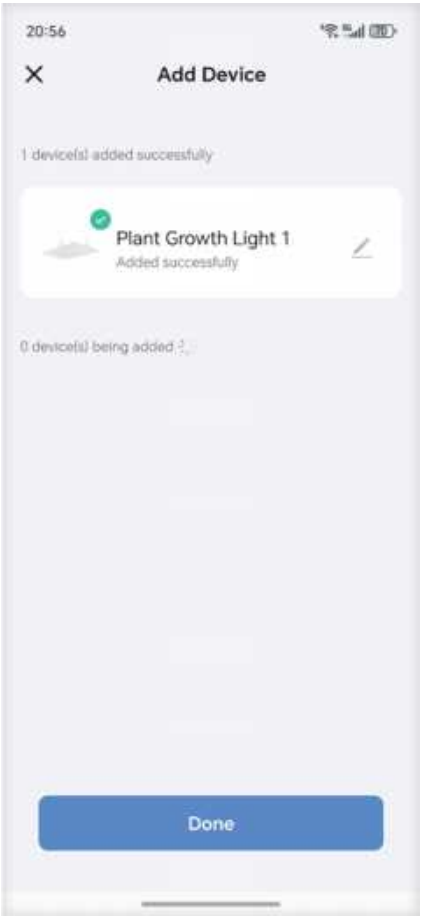
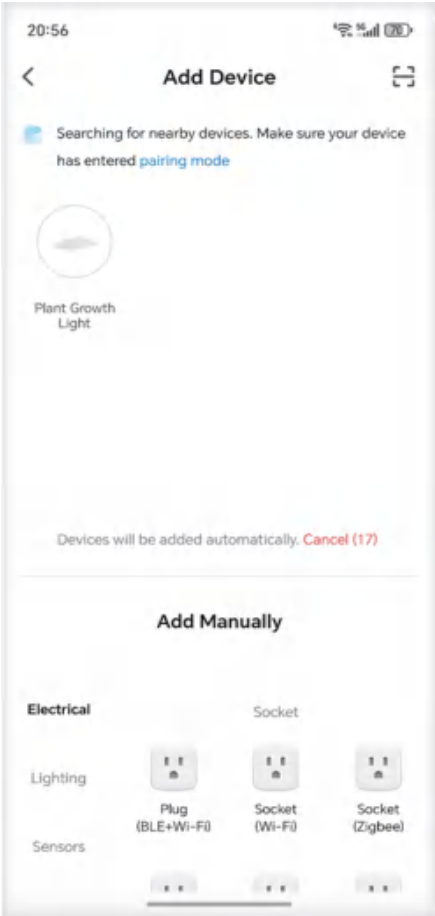


Press and hold the "SET" button for at least 3 seconds until the **red** indicator light **blinks slowly**.

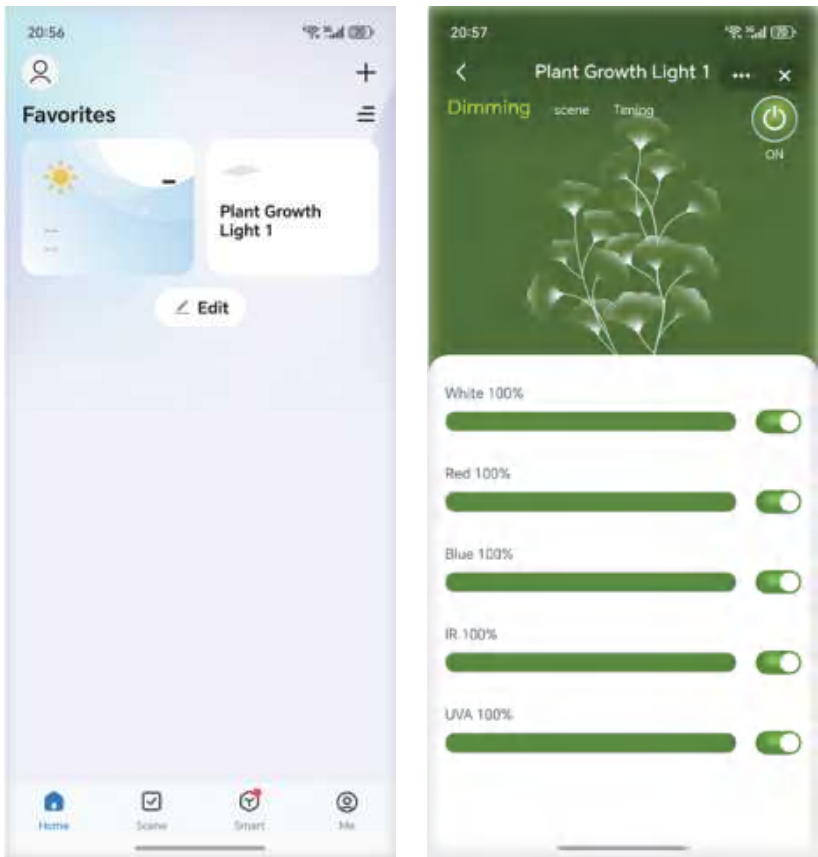
6.2 Enable Bluetooth on your smartphone. Tap the "+" icon in the app (usually top-right) and select "Add Device".The app will automatically search for nearby devices.



6.3 Tap the discovered device named **"Plant Growth Light"**. On the subsequent pop-up screen, tap **"Done"** to complete the device addition.

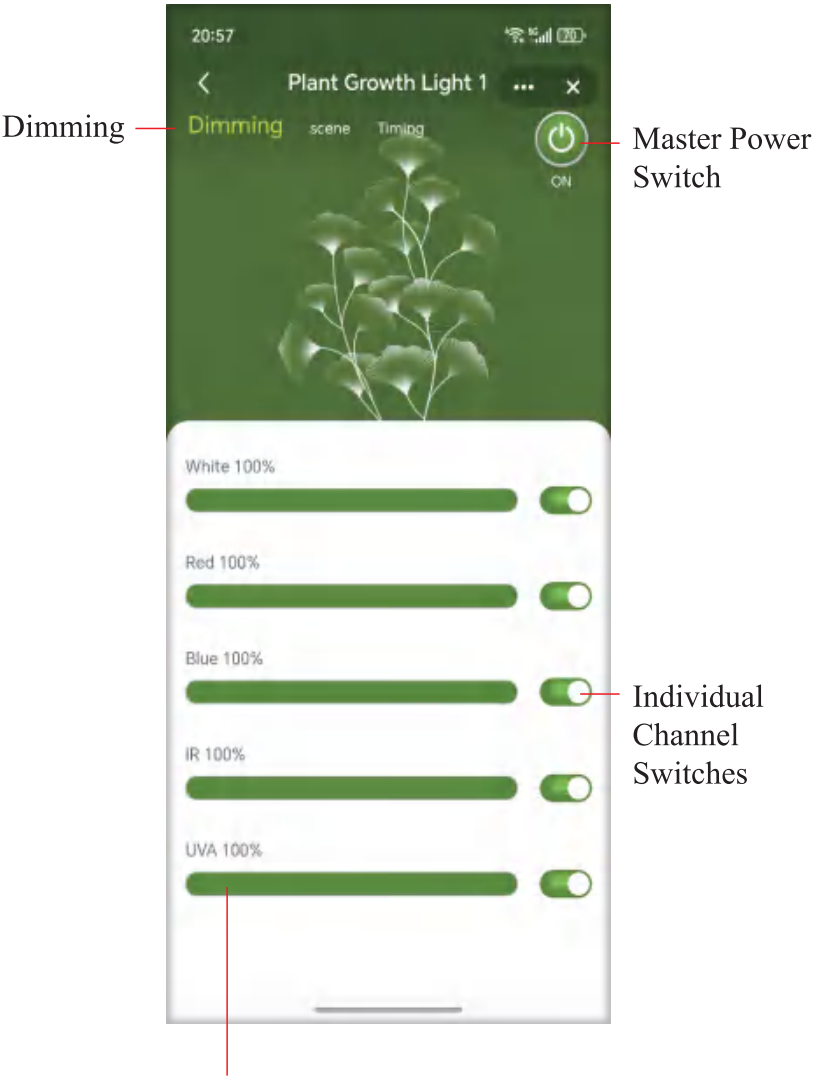


7.In the device list within the app, tap the newly added "**Plant Growth Light**" to access its control panel. From here, you can explore and utilize all available features.



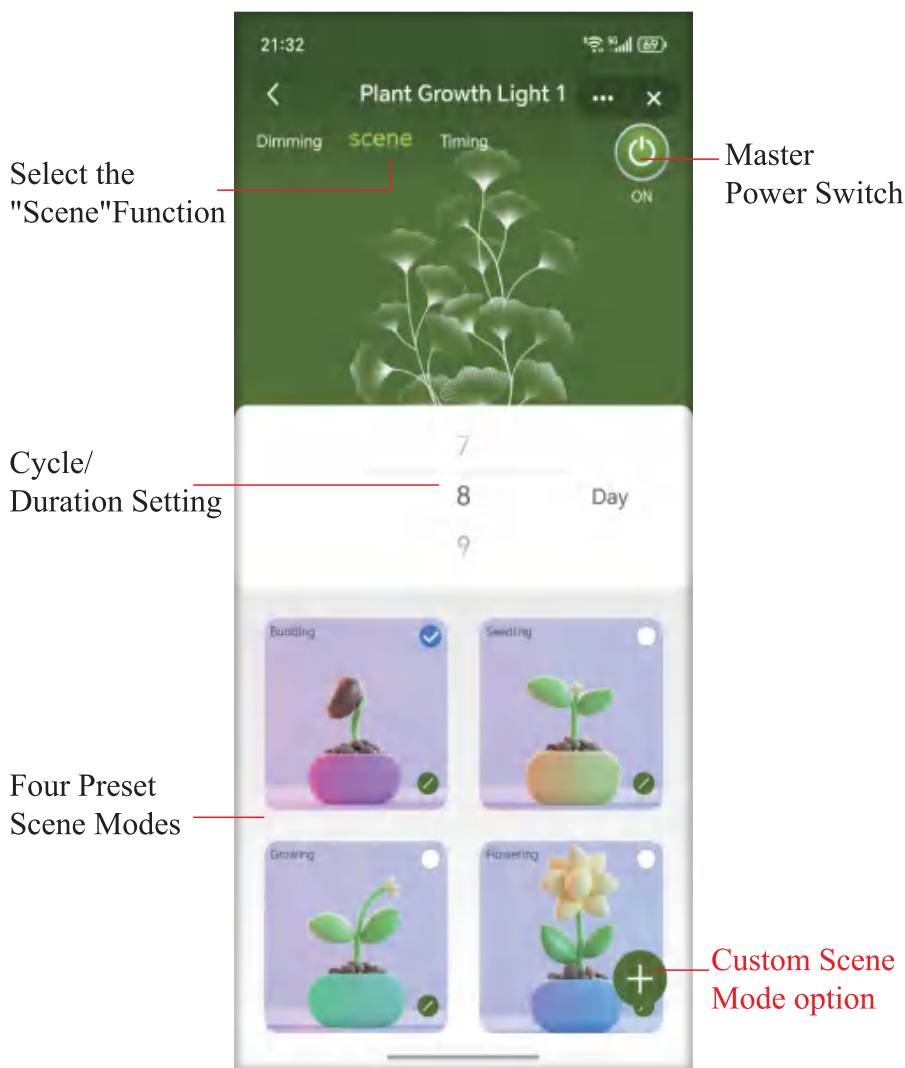
The APP control via Bluetooth only works when your phone is near the Plant Growth Light. For remote control outside Bluetooth range, add a compatible Gateway device(sold separately)and link the Plant Growth Light, gateway, and APP(refer to the gateway's manual for setup instructions).

8. **Dimming:** You can individually turn **On/Off** and adjust the brightness of **each** light channel(e.g.,**White, Red, Blue, IR, UVA**).The light will operate according to your settings once configured.



Sliders for Brightness Adjustment

9. Scene Setting: The product comes with four **preset** growth recipes: **Germination**, **Seeding**, **Vegetation**, and **Flowering**. You can directly select the mode corresponding to your plants' growth stage.

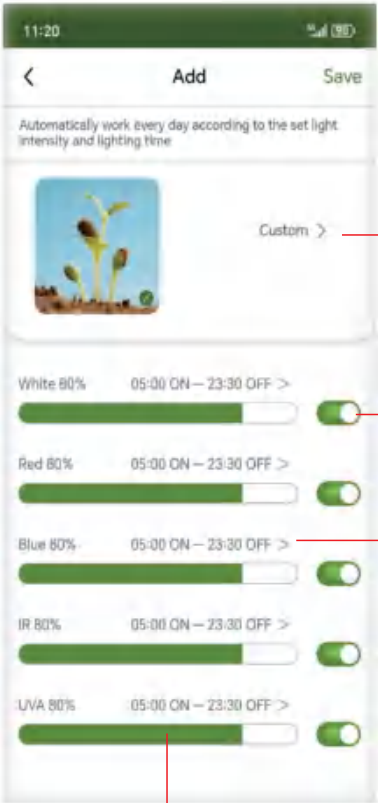
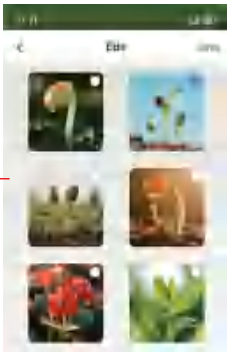


After configuration,the light will automatically start/stop the selected scene mode daily until the growth cycle is complete.

9.1 **Custom Scene:** If you have specific knowledge about the spectral needs of your plants, you can create your own custom light recipes.



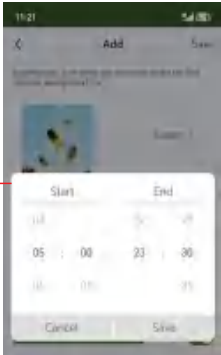
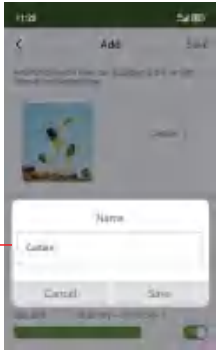
Custom Image Setup



Custom Scene Name Setup

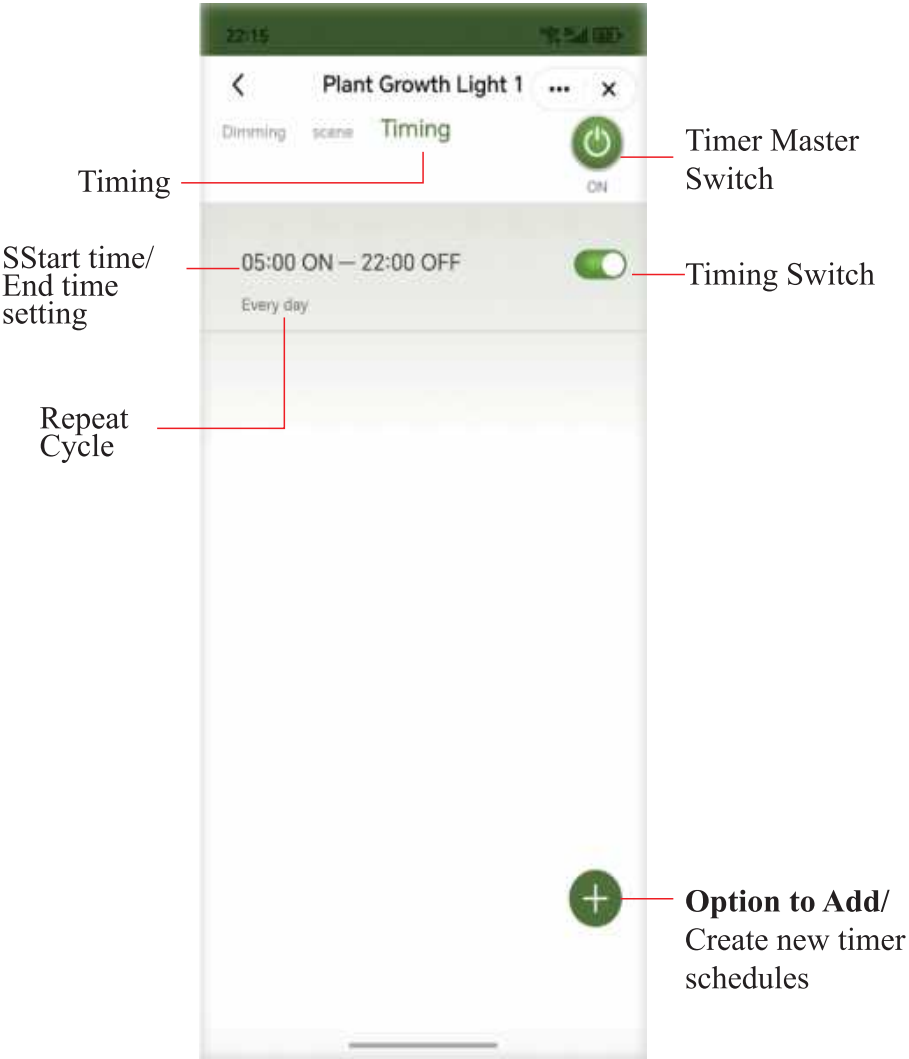
Light Channel Switches

Time period settings for the scene



Slide to adjust the brightness

10. **Timer Function:** For plants requiring fixed light spectra and long-term scheduled illumination, use the Timer function to define your desired spectrum, start/end times, and repetition cycle.



10.1 You can create multiple independent timer schedules if needed

The screenshot shows a mobile application interface for creating a timer schedule. At the top, there's a status bar with the time 11:55 and battery level 90%. Below that, a header bar contains a back arrow, the word "Add", and a "Save" button. The main content area has a date/time picker showing "04 21 05 : 00 - 22 : 00". A red line points to this picker with the label "Set Start/End time". Below the picker are five color sliders: "White 100%", "Red 100%", "Blue 0%", "IR 0%", and "UVA 50%". Each slider has a green bar indicating the current value and a toggle switch to its right. A red line points to the "UVA 50%" slider with the label "Slide to adjust the brightness". Another red line points to the toggle switch for "UVA 50%" with the label "Light Channel Switches". At the bottom, there's a "Loops" section with the text "Every day" and a right arrow. A red line points to this section with the label "Set Cycle/Duration".

11:55 90%

< Add Save

04 21
05 : 00 - 22 : 00
06 01 23 01

White 100%

Red 100%

Blue 0%

IR 0%

UVA 50%

Loops Every day >

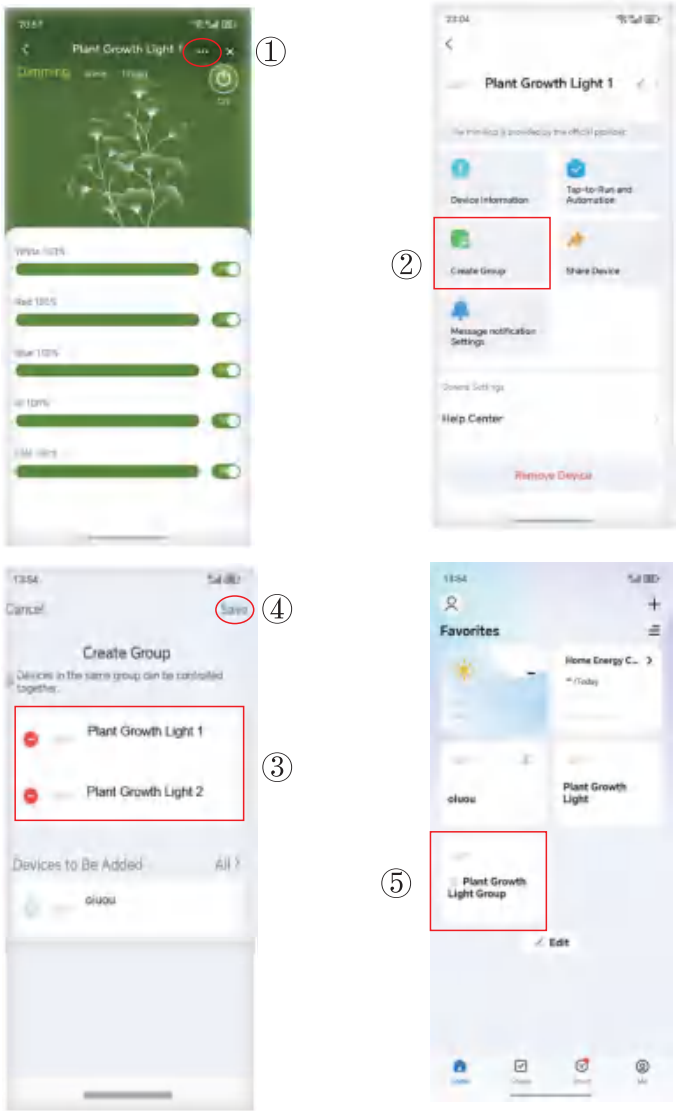
Set Start/End time

Slide to adjust the brightness

Light Channel Switches

Set Cycle/Duration

11. **Group Control:** To control multiple lights simultaneously via the app, first add all desired devices to the app. Then, create a group containing these devices for convenient collective control.



Sequence of APP screenshots showing:

- ①Edit Device list ②Select devices to group ③Create group
④Name/Save group ⑤Control group

Troubleshooting

Symptom	Troubleshooting Steps
No function, Indicator light off	1.Check if the power cord is properly connected. 2.Check if the power switch is turned ON. 3.Press the SET button,check if the indicator lights up. 4.If problem persists,contact customer service.
Indicator on, but light not working	1.Confirm the brightness level for all channels is not set to 0%. 2.Confirm the switch for each channel is turned ON 3.Check if the set time is corect (for Scene and Timer modes). 4.Press the SET button to switch modes,check if the light turns on. 5.If problem persists,contact customer service.
APP cannot control the light	1.Check if the phone's Bluetooth is enabled. 2.Power cycle the light(off for 10 sec),then re-add the device. 3.Check if the phone has a stable network connection (for remote via gateway) 4.If problem persists,contact customer service.

Technical Specifications

Model	PGL-801	Rated Voltage/ Frequency	120VAC/60HZ
Product Name	Plant Growth Light	Rated Input Power	160W
Product Dimensions	307*307*120mm	Primary Materials	Aluminum Alloy, PC/ABS,PMMA, Silicone
Net Weight		Gross Weight	

Tips For Reference Only:

- Generally, the Light Duration for Plant Growth is 10-18 Hours Per Day. Plants Need to Rest Too.
- The Maximum Daily Light Duration for Plant Growth should Not Exceed 18 Hours. If the Light Duration is Too Long, it May Cause the Plants to Not Flower Properly or Reduce Fruit Yield.
- In Natural Conditions, Plants Grown Outdoors Usually Do Not Get More Than 18 Hours of Light Per Day, because Most Areas Get Less Than 12 Hours of Natural Daylight in Winter.

Different Photoperiod Control at Different Growth Stages:

- **Seedling Stage:** 12 hours of light+12 hours of darkness(Promote Germination).
- **Nutritional Period:** 18 hours of light+6 hours of darkness (Simulating Long-day Lighting Conditions).
- **Flowering & Fruiting Stage:** 12 hours of light+12 hours of darkness(Promote Flowering and Seed Pod Growth, and to Improve Fruit Yield and Quality).

For Higher Yields With Different Spectrum Configuration at Different Plant Growth Stages:

- **Germination Stage:** Spectrum Configuration With a Higher Proportion of Blue Light to Promote Root Development and Leaf Growth.
Recommended Spectrum Ratio: 70%~80% Blue Light, & 20%~30% Red Light.
- **Vegetation Stage:** Spectrum Configuration With a Higher Proportion of Blue Light, Blue Light Promotes Plants to Grow Short, Strong and Leafy. The Blue Light Spectrum Range is 400-500nm, Ideal Value is 460nm.
Recommended Spectrum Ratio: 60%~70% Blue Light, & 30%~40% Red Light.
- **Flowering Stage:** Spectrum Configuration With a Higher Amount of Red Light, Red Light Helps Plants in Flower Bud Differentiation, Promoting Flower Formation and Seed Maturation. The Red Light Spectrum Range is 620-780nm, Ideal Value is 660nm.
Recommended Spectrum Ratio: 60%~70% Red Light, 20%~30% Blue Light, 5%~10% Far-red Light.
- **Flowering & Fruiting Stage:** 730nm is Vital Spectrum at This Stage. 730nm Far-red Light Can Optimize photosynthesis, Accelerate Plant Growth, and Plays an Important Role in Promoting Flower Bud Formation and Fruit Development.
Recommended Ratio: 60%~70% Red Light, 20%~30% Blue Light, 10% Far-red Light.

Warranty Card

This product is guaranteed for defects in material or workmanship for a period of one year from the date of purchase. The guarantee is limited to repair or replacement of the unit only and does not cover consequential loss or damage to animate or inanimate objects. This guarantee is valid only under normal operating conditions for which the unit is intended. It excludes any damage caused by accident, misuse, unreasonable use, improper installation, tampering or abuse of the unit, and stress cracks caused by improper support or other breakage.

Model: _____

Production Date: _____

Serial No.: _____

Date of Purchase: _____

Retailer's Stamp: _____

Purchaser's Signature: _____

This warranty card is valid only with the retailer's stamp and the correct date of purchase. Disputes arising from an invalid warranty card are the responsibility of the retailer.

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.