PopBloom S16Pro

PopBloom S16Pro Saltwater LED Aquarium Light Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your PopBloom S16Pro Saltwater LED Aquarium Light. Please read this manual thoroughly before use to ensure proper function and longevity of the product. The PopBloom S16Pro is designed to provide optimal lighting for coral growth and coloration in mini and nano reef tanks, featuring a 60W LED array with four adjustable channels and remote control functionality.



Image 1: PopBloom S16Pro LED Aquarium Light and Remote Control

2. Important Safety Instructions

- **Electrical Safety:** Always unplug the light from the power outlet before performing any maintenance, cleaning, or installation. Ensure your hands are dry when handling electrical components.
- **Water Proximity:** This product is designed for use near water. However, ensure the power supply and remote control are kept away from water to prevent electrical shock. The light unit itself is waterproof.
- **Ventilation:** Do not obstruct the ventilation openings on the light unit. Proper airflow is essential for heat dissipation.
- **Children and Pets:** Keep the product and its components out of reach of children and pets.
- **Intended Use:** Use this product only for its intended purpose as an aquarium light. Do not modify the product in any way.
- **Damage:** If the power cord, plug, or light unit is damaged, discontinue use immediately and contact customer

support.

3. Package Contents

Please check the package contents against the list below. If any items are missing or damaged, contact your retailer or PopBloom customer support.

- 1 x PopBloom S16Pro LED Light Panel
- 1 x Remote Control
- 1 x Power Supply (AC Adaptor)
- 1 x Power Cord (with regional plug)
- 1 x Gooseneck Mount (Jobs Arm)
- 1 x User Manual (this document)

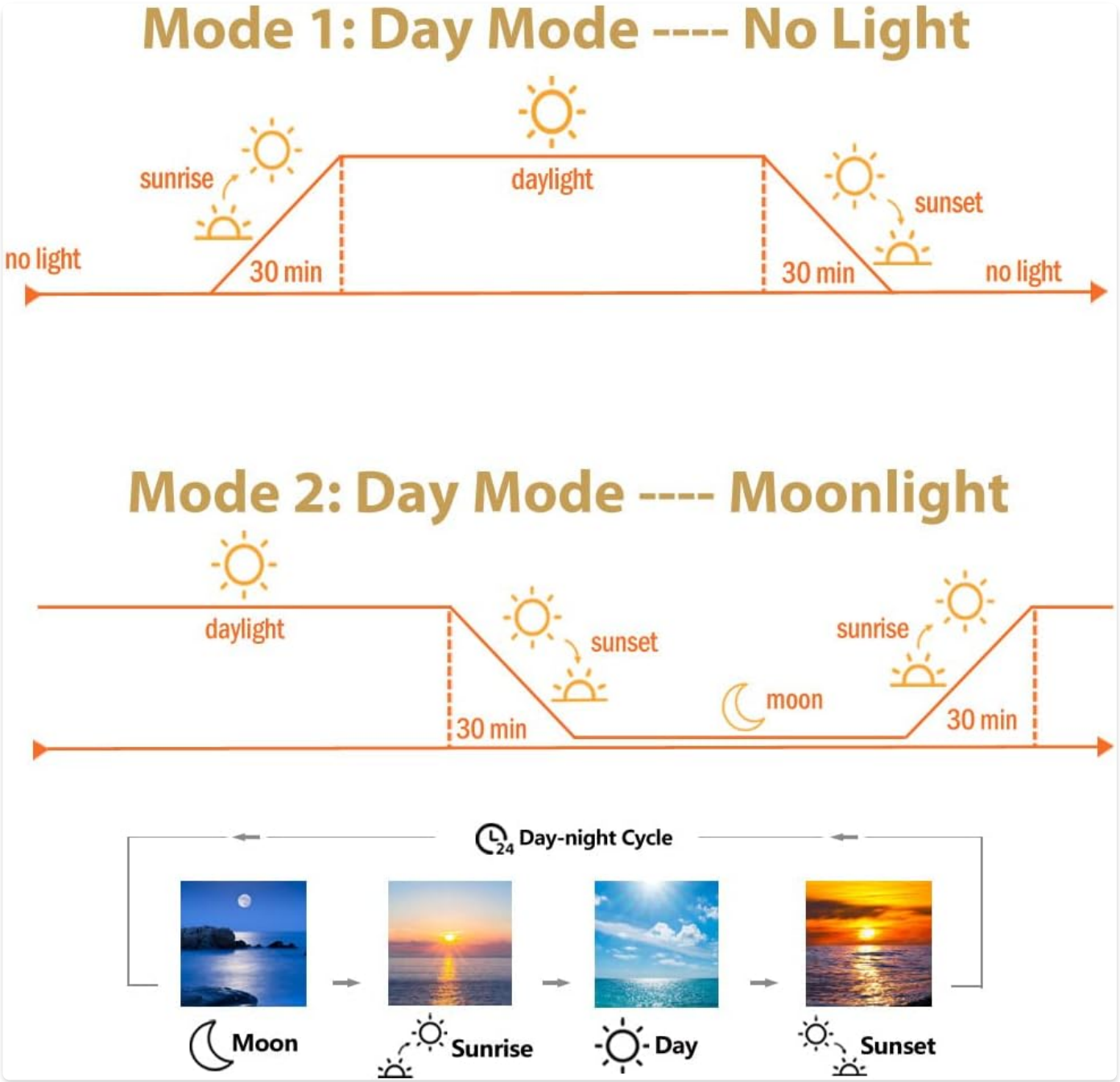


Image 2: Standard Package Contents

4. Specifications

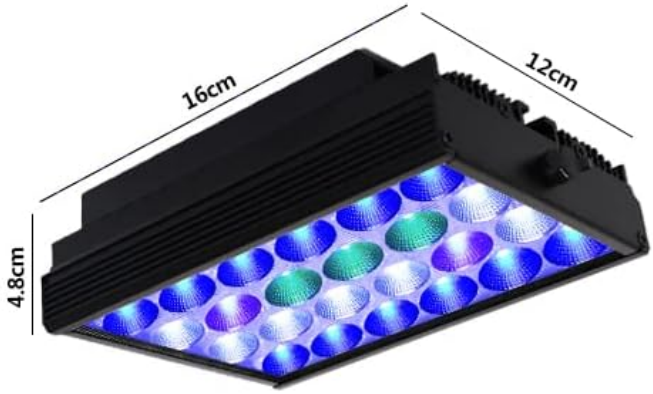
Feature	Specification
Model	S16Pro
Material	Aluminum
Light Panel Dimensions (L x W x H)	16cm x 12cm x 4.8cm (6.3" x 4.7" x 1.9")
Max Power Consumption	60 Watts
AC Adaptor Input	100-265V
Lamp Type	LED
Control Method	Remote Control
Suitable Tank Width	20-40cm (8"-16")
Gooseneck Adjustable Height	20-35cm (8"-14")
Water Resistance Level	Waterproof (Light Unit)
Special Feature	Dimmable, 4 Channels
Item Weight	1.06 Kilograms (2.33 lbs)
PAR (Water Surface)	500 µMol
PAR (60cm Depth)	150 µMol
LED Channels	Channel 1: 18W 18000K White Channel 2: 2W Moonlight Channel 3: 36W Reef-grow Blue Channel 4: 2W Kelvin-adjustment

Shannon16Pro Specification

60 W
LED Array

500 PAR
Water surface

150 PAR
60cm depth



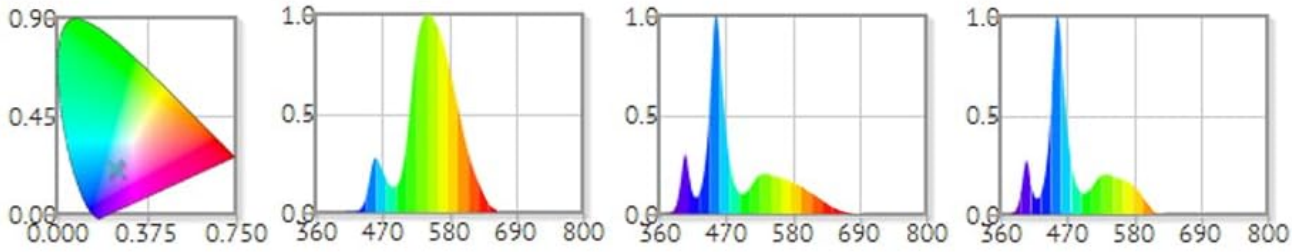
4 Channels

18 W
18000K White

2 W
Moonlight

36 W
Reef-grow blue

2 W
Kelvin-adjustment



CIE 1931 COLOR GRAPH | PHOTOMETRIC SPECTRUM | PPF (PAR) SPECTRUM IN AIR | PPF (PAR) SPECTRUM 24" UNDER WATER 19.2% ABSORPTION LOSS

Image 3: Shannon16Pro Specification Overview

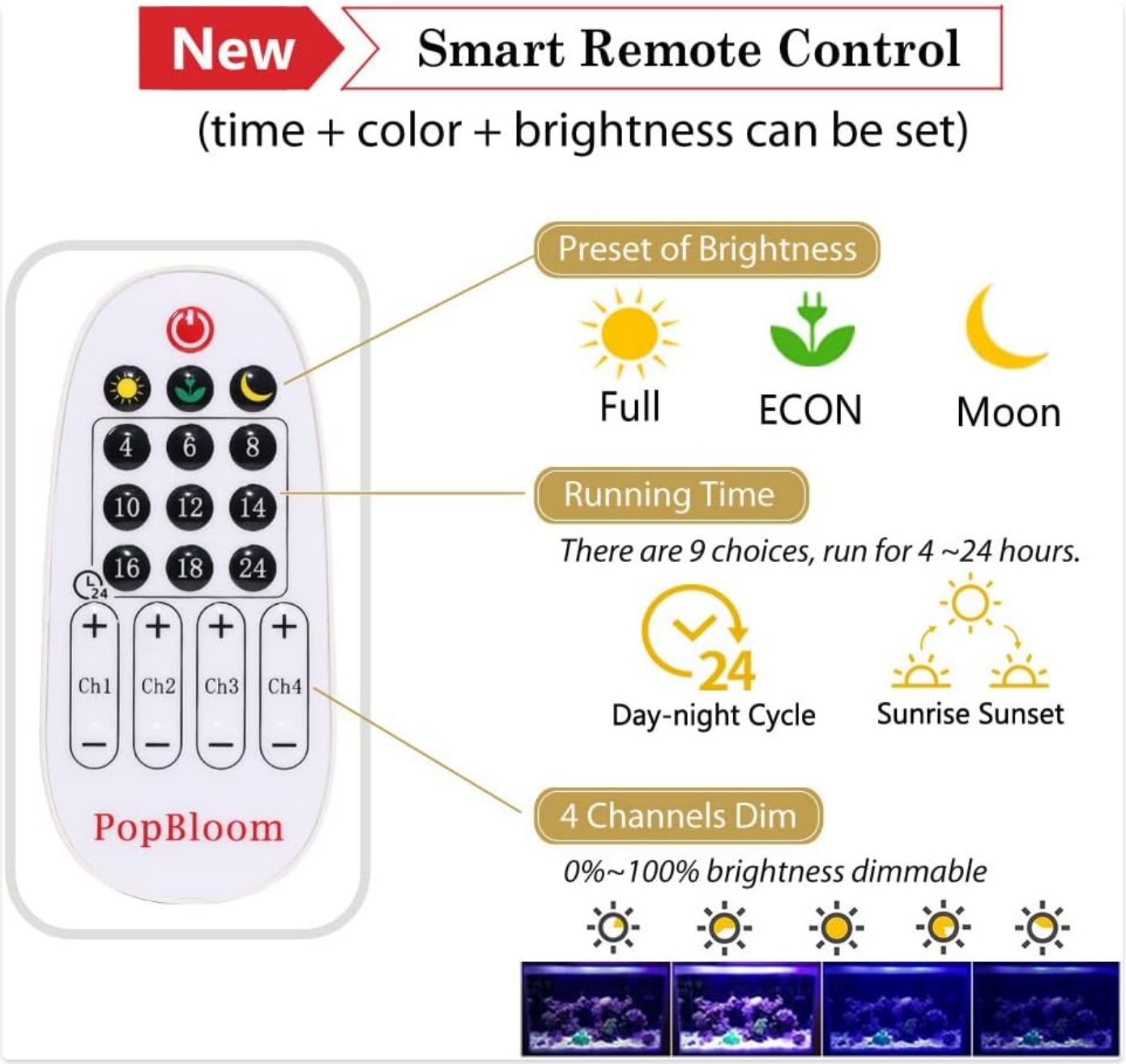


Image 4: S16Pro PAR Distribution

5. Setup and Installation

Follow these steps to properly install your PopBloom S16Pro LED Aquarium Light:

1. **Assemble the Gooseneck Mount:** Attach the gooseneck arm to the light panel. Ensure it is securely fastened. The gooseneck allows for flexible positioning.
2. **Mount to Aquarium:** Securely attach the gooseneck mount to the rim of your aquarium. The mount is designed for both rimmed and rimless tanks with a glass/rim thickness of 0.8-2cm (0.3"-0.8"). Adjust the height of the light using the gooseneck arm to achieve the desired coverage and intensity over your tank. The adjustable height range is 20-35cm (8"-14").
3. **Connect Power:** Connect the power supply to the light unit, then plug the power cord into the power supply. Finally, plug the power cord into a suitable electrical outlet. Ensure all connections are dry and secure.

Shannon16Pro Panel



Material: Aluminum

Dimension: 16×12×4.8cm (6.3×4.7×1.9inch)

Max Power: 60W

AC Adaptor: 100-265V worldwide suitable

Shannon16Pro Arm Kit

Material：Aluminum

Glass/Rimmed thickness: 0.8-2cm (0.3”-0.8”)

Suitable tank width: 30-60cm (12”-24”)

Adjustable height: 20-35cm (8”-14”)



Image 5: Universal Arm Kit Flexible Installation Methods



Image 6: Shannon16Pro Panel and Arm Kit Details

6. Operating Instructions

The PopBloom S16Pro is controlled using the included smart remote. Familiarize yourself with the remote control functions:

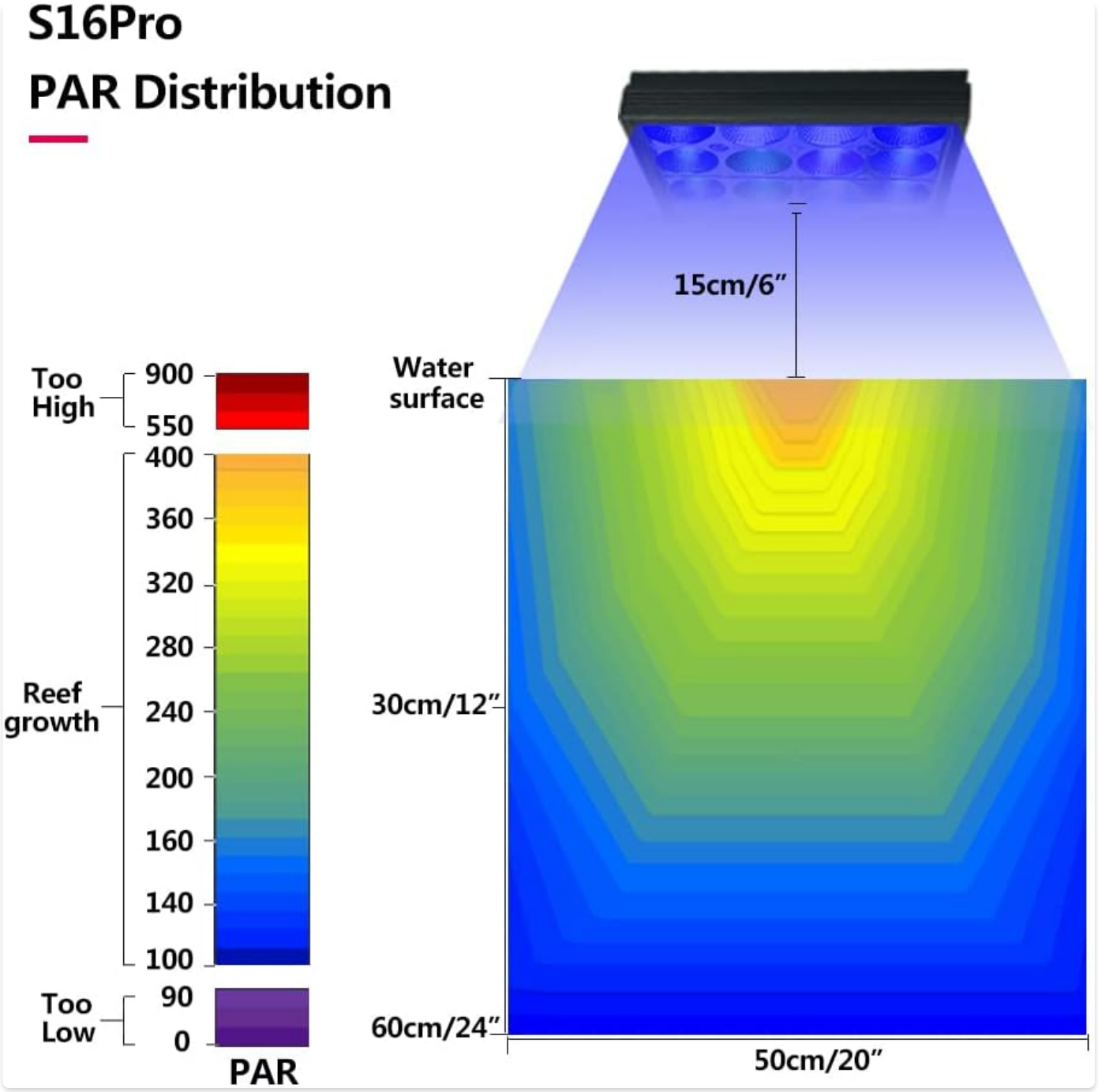


Image 7: Smart Remote Control Functions

6.1. Basic Functions

- **Power Button (Red):** Turns the light ON or OFF.
- **Brightness Presets:**
  - **Full (Sun icon):** Activates full brightness across all channels.
  - **ECON (Leaf icon):** Activates an energy-saving brightness mode.
  - **Moon (Moon icon):** Activates moonlight mode.
- **Channel Dimming (Ch1, Ch2, Ch3, Ch4 with +/- buttons):** Adjusts the brightness of individual LED channels from 0% to 100%.

6.2. Setting the Timer and Day-Night Cycle

The remote allows for a 24-hour auto-running cycle with sunrise and sunset simulation. There are two main day modes:



Image 8: Day Mode Diagrams

1. **Select Desired Brightness:** Before setting the timer, use the channel dimming buttons (Ch1-Ch4 +/-) to set the desired brightness and color spectrum for your 'daylight' period.
2. **Set Start Time:** At the exact time you want the light cycle to begin (e.g., 8:00 AM), press one of the running time buttons (4, 6, 8, 10, 12, 14, 16, 18, 24). This button indicates the duration of the 'daylight' period. For example, pressing '10' will set the daylight period to 10 hours.
3. **Confirmation:** The light will blink once to confirm the timer setting. The light will now automatically turn on at the set time each day, run for the specified duration, and then transition to either 'no light' or 'moonlight' mode based on the selected day mode.
4. **Moonlight Mode:** If you desire a moonlight period after the daylight cycle, ensure the 'Moon' preset is active before setting the timer, or activate it manually after the daylight period ends. The system will then incorporate moonlight into the cycle.
5. **Resetting the Timer:** To change the timer, simply repeat steps 1-3 at the new desired start time.

Note: *Some users have reported needing to re-program the timer daily. If you experience this, ensure the remote has fresh batteries and that the light receives a clear signal from the remote during programming. For persistent issues, refer to the troubleshooting section.*

7. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your PopBloom S16Pro light.

- **Cleaning the Light Unit:** Periodically wipe the light panel and lenses with a soft, damp cloth to remove salt creep, dust, and water spots. **Always unplug the light before cleaning.** Do not use abrasive cleaners or solvents.
- **Fan Maintenance:** Ensure the cooling fan (if visible) is free from dust and debris to maintain efficient heat dissipation. Use a soft brush or compressed air if necessary.
- **Cable Inspection:** Regularly inspect the power cord and connections for any signs of wear, damage, or corrosion. Replace damaged components immediately.
- **Remote Control:** Replace the remote control batteries when its range decreases or buttons become unresponsive.

8. Troubleshooting

If you encounter issues with your PopBloom S16Pro, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty power supply.	Check if the power cord is securely plugged into the outlet and the light unit. Test the outlet with another device. Ensure the power supply is functioning.
Remote control is unresponsive.	Dead batteries, remote out of range, obstruction.	Replace the remote control batteries. Ensure you are within effective range and there are no obstructions between the remote and the light's sensor.
Timer settings are not saved or reset daily.	Remote signal issue, internal memory glitch.	Ensure the remote has fresh batteries. Try reprogramming the timer from a closer distance to the light. If the issue persists, contact customer support.
Light output is dim or inconsistent.	Dirty lenses, LED degradation, power issue.	Clean the light lenses. Check power connections. If the light has been in use for an extended period, LED degradation may occur over time.
Light is making unusual noise.	Fan obstruction or malfunction.	Check if the cooling fan is obstructed by dust or debris. If the noise persists, contact customer support.

9. Warranty and Customer Support

PopBloom products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official PopBloom website. In most cases, a standard manufacturer's warranty covers defects in materials and workmanship under normal use.
If you require technical assistance, have questions about your product, or need to report a defect, please contact PopBloom customer support through the following channels:

- **Email:** Refer to your product packaging or the PopBloom website for the most current contact email.

- **Website:** Visit the official PopBloom website for FAQs, support resources, and contact forms.
- **Retailer:** Contact the retailer from whom you purchased the product for assistance with returns or exchanges within their policy period.

Please have your product model (S16Pro) and purchase date available when contacting support.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question