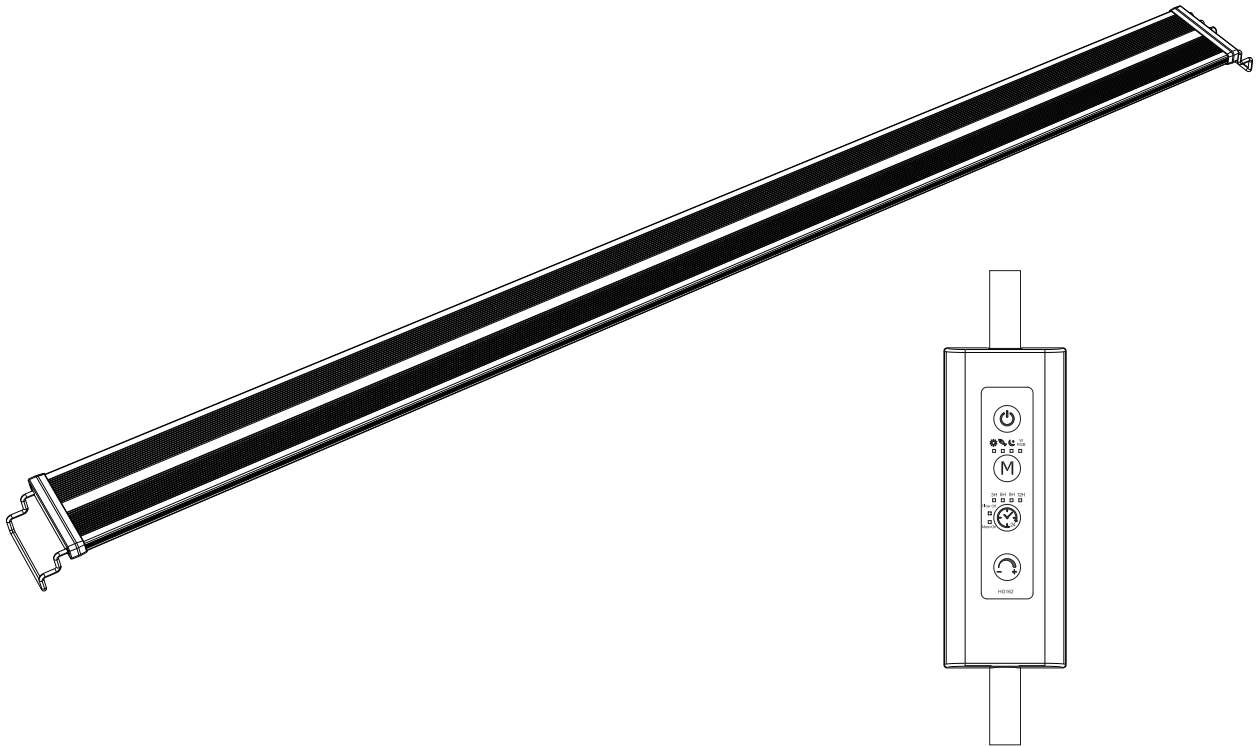




HG162 USER MANUAL

hygger Simple Aquarium LED Light



The hygger Simple Aquarium LED Light is a great way to illuminate your aquariums. With years of expertise, we are one of the pioneers in the field of full spectrum lighting. Easy to use and convenient to program, this lighting is perfect for beginners who want to light their first aquarium and also for professionals who want to upgrade their lighting!

Please read this manual carefully before using and in strict accordance with the manual use.

1. PRODUCT FEATURES

- **Ultra-bright WRGB LED light with timer controller:**
Premium 5054 + multi-color LEDs provide bright illumination for plants and fish.
- **4 Lighting modes:**
Daylight mode: White light, for general use and aquascaping.
Fishlight mode: More vibrant red spectrum, for general use and aquascaping.
Nightlight mode: Soft white light, for use at night or in dark environment.
W、R、G、B cycle mode: White--> Red--> Green--> Blue--> Purple--> Orange--> Pink
- **Timer function:** Within 24 hours, the aquarium light creates a gradual sunrise, daylight, sunset, and moonlight, giving the aquarium a natural daily rhythm.
- **Memory function:** After a power failure, the light retains its previous settings. When the power supply is restored, the light continues to run in the light mode they were in at the time of the power failure.
- **Bracket included:** The extendable bracket allows the light to fit aquariums of different sizes. Close to the water surface.

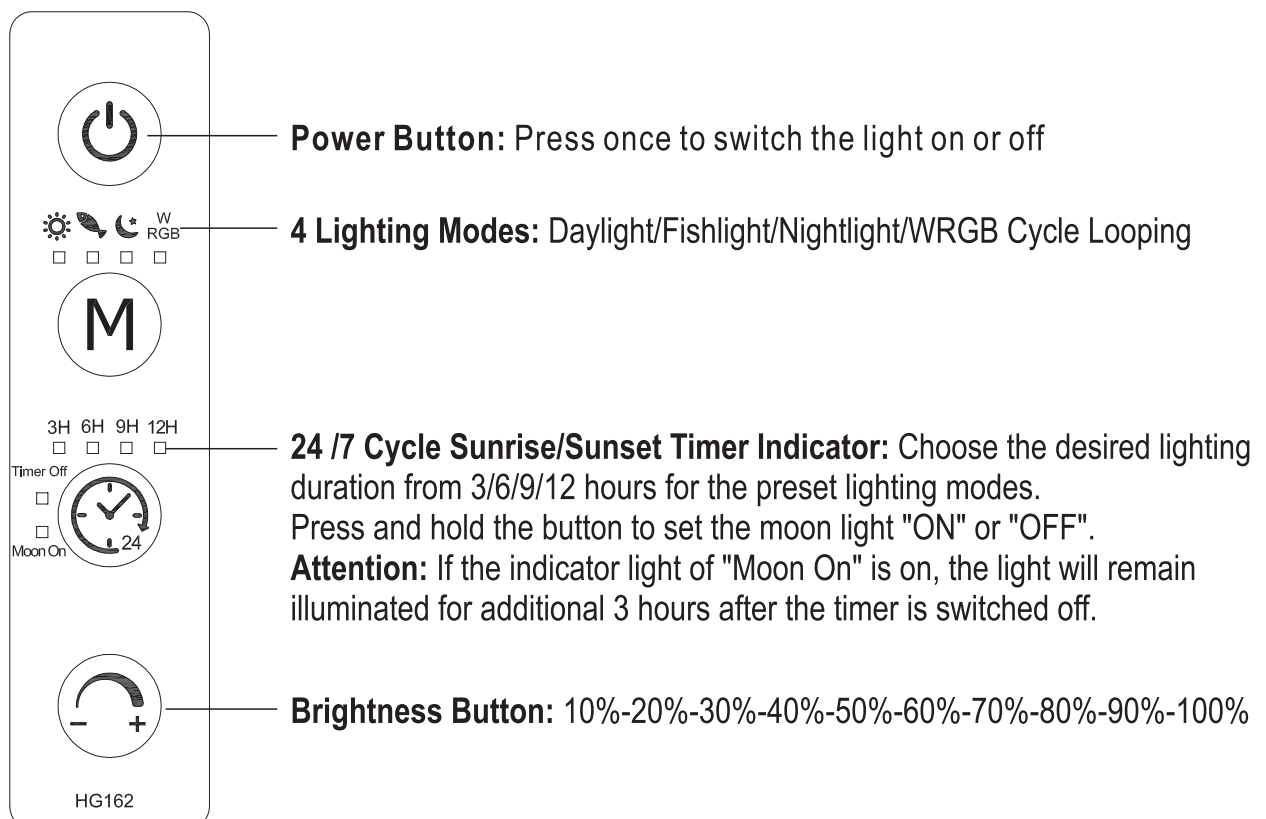
2. PRODUCT PARAMETER

Model	HG162-12W	HG162-19W	HG162-22W	HG162-24W
Size	7IN/20cm	12IN/30cm	18IN/45cm	24IN/60cm
Application	7~12" 18-30cm	12~18" 30-45cm	18~27" 45-68cm	27~33" 60-84cm
Lumens	314	556	955	1148
LED qty' (5054/2835)	16pcs RGB:2 R:2 G:3 B:5 W:4	34pcs RGB:4 R:6 G:6 B:10 W:8	51pcs RGB:6 R:9 G:9 B:9 W:18	68pcs RGB:8 R:12 G:12 B:12 W:24
Voltage	Input: 100-240V 50/60Hz Output:DC24V			

Model	HG162-40W	HG162-48W	HG162-55W	HG162-60W
Size	30IN/75cm	36IN/90cm	42IN/100cm	48IN/120cm
Application	33~39" 84-99cm	39~45" 99-114cm	45~50" 114-127cm	50~57" 127-146cm
Lumens	1760	1950	2129	2280
LED qty' (5054/2835)	102pcs RGB:12 R:18 G:18 B:18 W:36	119pcs RGB:14 R:21 G:21 B:21 W:42	136pcs RGB:16 R:24 G:24 B:24 W:48	170pcs RGB:20 R:30 G:30 B:30 W:60
Voltage	Input: 100-240V 50/60Hz Output:DC24V			

3. INSTRUCTION

1) Controller Function Instruction



2) Function Setting

Power button : Press briefly to switch the light on or off.

24/7 lighting mode: 4 available lighting modes     **+4 available lighting durations**     **+ default brightness change**  .



Note 1: When pressing the function button, all function options must be pressed in sequence to return to the original display.



Note 2: The four lighting durations (3H/6H/9H/12H) do not simply function as a timer, but they are in 24/7 lighting mode, and the light color changes gradually and cyclically in 24/7 mode.

Note 3: The lighting durations of the 24/7 lighting mode are different, and four lighting durations can be selected. If you choose a lighting duration of 6 hours, the light will finish the 24/7 lighting mode process in six hours and automatically switch on and off, and the brightness gradually changes in this mode.

Sun mode of 24/7 mode: Full spectrum white light:

Only in this mode does the intensity of the yellow and white light gradually increase at the beginning of the 24/7 lighting duration; at the end of the 24/7 lighting duration, the intensity of the yellow and white light gradually decreases.

After switching on the light, briefly press the second mode button  and then briefly press the button in order until the indicator light under this symbol  lights up, indicating that the daylight mode (full-spectrum white light) is selected.

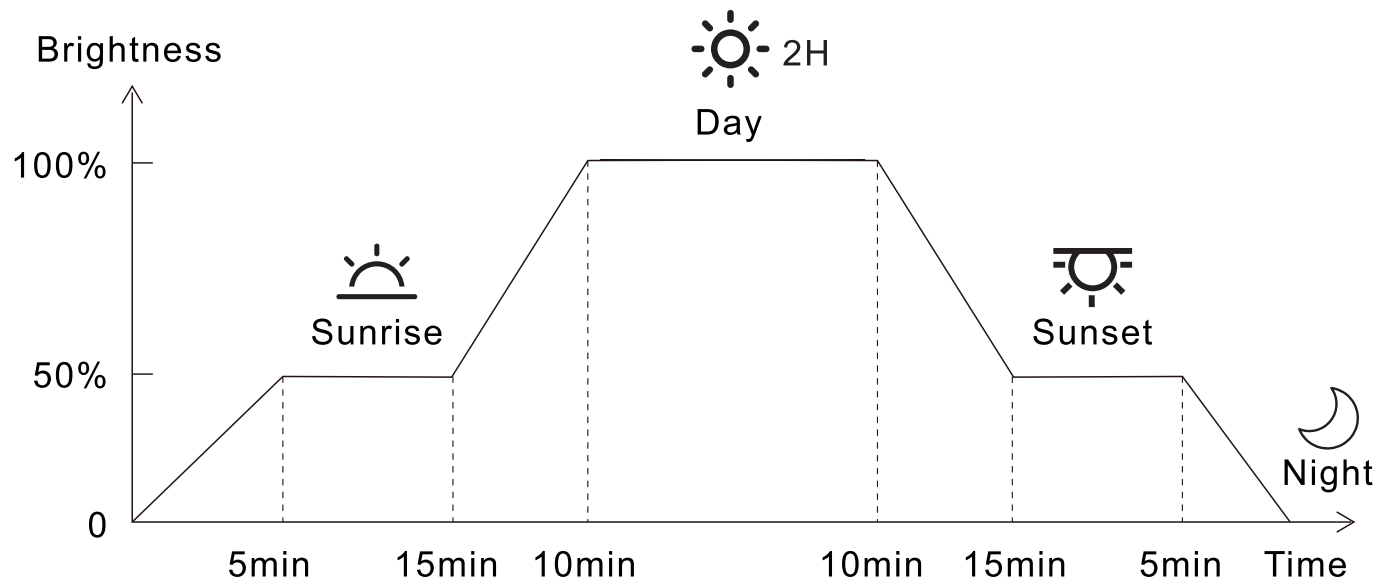
Then, select the lighting duration. If the indicator light  lights up, indicating that the 24/7 mode is not running. Briefly  press to select the lighting duration in 24/7 mode, and there are 4 lighting durations for selection (3H/6H/9H/12H). Each brief press of the button will jump to the next lighting duration.

The indicator light is on, indicating that the corresponding lighting duration has been selected and the 24/7 mode setting has been completed.

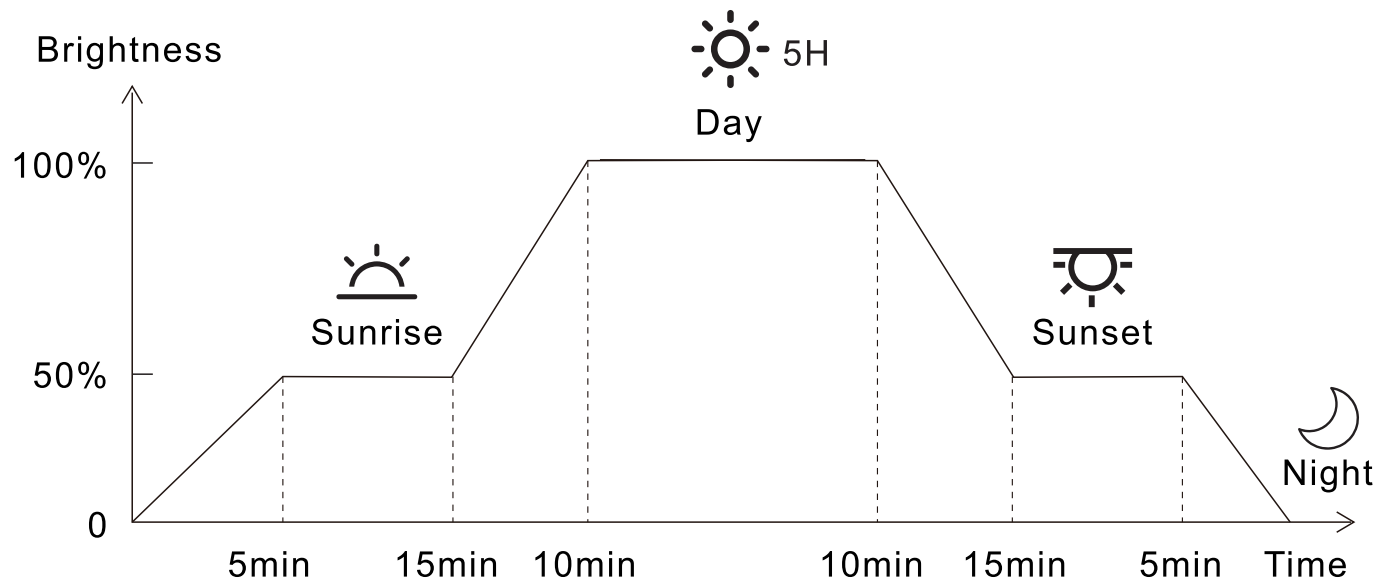
For example, 3-hour operation in 24/7 mode

Five minutes of light white and yellow light- 15 minutes of 50% white and yellow light- 10 minutes of light white light- 2 hours of 100% full white light -10 minutes of white light gradually changes to 50% white and yellow light, and stays on for 15 minutes- 5 minutes of white and yellow light gradually changes until the light is switched off.

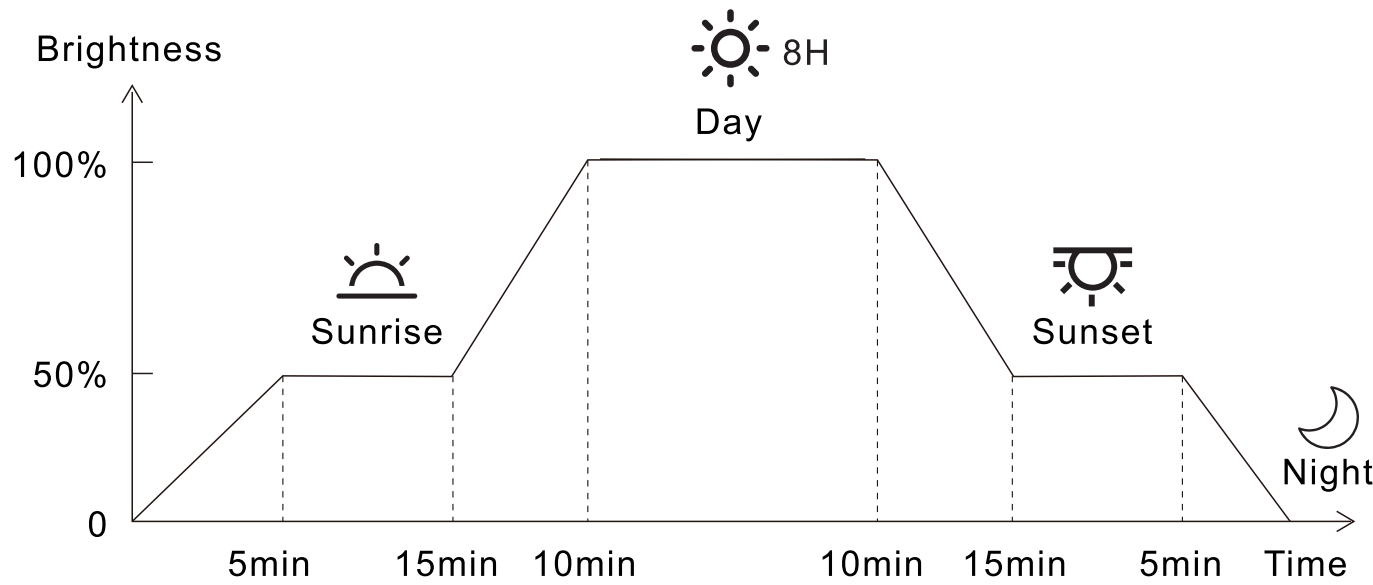
3H lighting duration



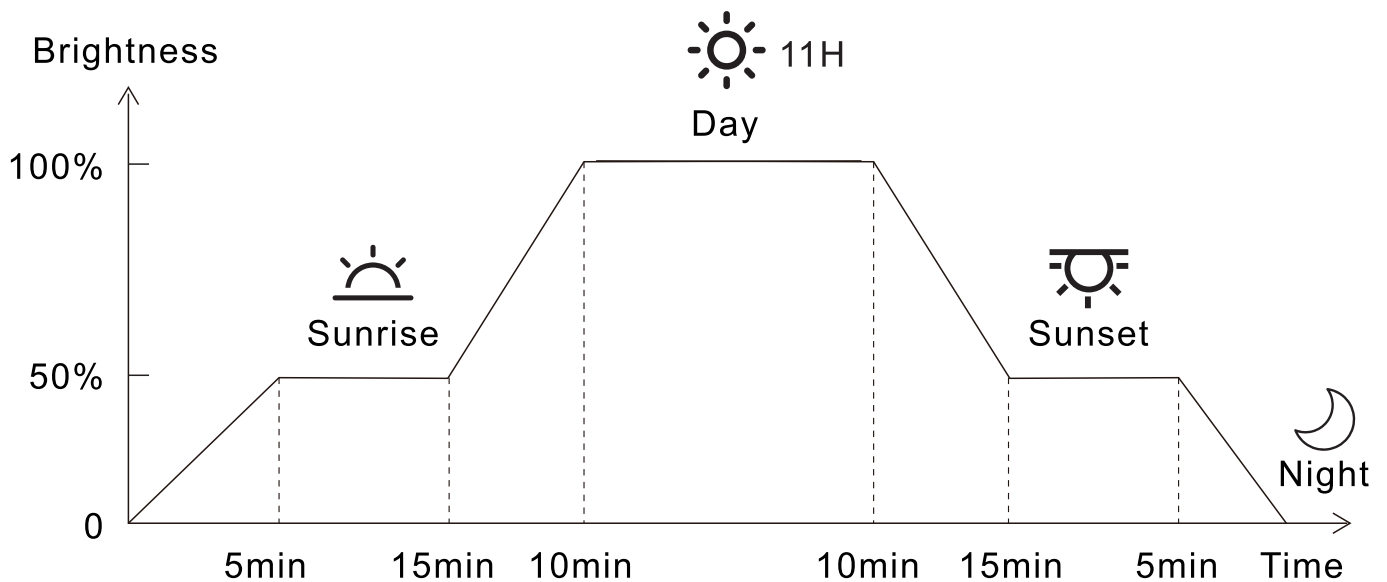
6H lighting duration




9H lighting duration




12H lighting duration





Fishlight mode of 24/7 mode- Full-spectrum brightening white light:

After switching on the light, briefly press the second mode button **M** and then briefly press the button in order until the indicator light under this symbol  lights up, indicating that the fishlight mode (full-spectrum brightening white light) is selected.

Then, select the desired lighting duration of 24/7 mode and briefly press  to select the lighting duration in 24/7 mode, and there are 4 lighting durations for selection (3H/6H/9H/12H). Each brief press of the button will jump to the next lighting duration. The indicator light is on, indicating that the corresponding lighting duration has been selected and the 24/7 mode setting has been completed.


Nightlight mode of 24/7 mode- Full-spectrum blue and white light:


After switching on the light, briefly press the second mode button **M** and then briefly press the button in order until the indicator light under this symbol  lights up, indicating that the nightlight mode (full-spectrum blue and white light) is selected.

Then, select the desired lighting duration of 24/7 mode and briefly press  to select the lighting duration in 24/7 mode, and there are 4 lighting durations for selection (3H/6H/9H/12H). Each brief press of the button will jump to the next lighting duration. The indicator light is on, indicating that the corresponding lighting duration has been selected and the 24/7 mode setting has been completed.



WRGB Cycle mode of 24/7 mode

White- Red and white- Green and white- Blue and white- Purple and red- Yellow and white- Pink and white- Color looping

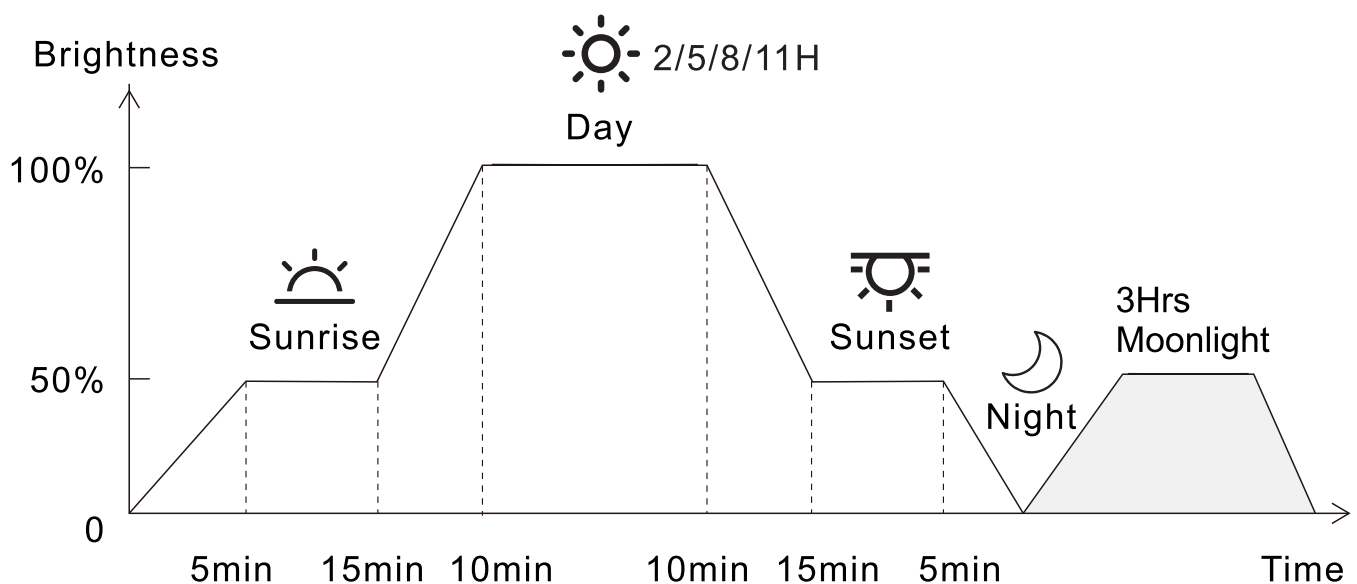
After switching on the light, briefly press the second mode button **M** and then briefly press the button in order until the indicator light under this symbol  lights up, indicating that the WRGB Cycle mode (multiple colors) is selected. Then, briefly press the button in order and select the desired color (White- Red and white- Green and white- Blue and white- Purple and red- Yellow and white- Pink and white- Color looping). When you have selected the desired color, stop pressing to confirm the color selection.



Then, select the desired lighting duration of 24/7 mode and briefly press  to select the lighting duration in 24/7 mode, and there are 4 lighting durations for selection (3H/6H/9H/12H). Each brief press of the button will jump to the next lighting duration. The indicator light is on, indicating that the corresponding lighting duration has been selected and the 24/7 mode setting has been completed.

Special mode of 24/7: Above 4 modes+3hours blue light night mode

Once you have selected one of the modes (Daylight/Fishlight/Nightlight/WRGB Cycle mode) and the lighting duration (3H/6H/9H/12H), press and hold the third button  until the  lights up. When the settings of additional 3 hours of night mode are complete, the light operates until it is switched off. Once set, the light runs in this mode every day.


3/6/9/12H lighting duration




If the night light is not required, press and hold the third button  until the  goes out, which means that the additional 3 hours of night mode is switched off.

3) Single always on mode: 4 available lighting colors+ 10 available brightness levels (Attention: Can't use timer function)

After switching on the light, briefly press the second mode button **M** and then briefly press the button in order until you have selected the desired color.

Then, briefly press the fourth button  to select the brightness, and press the brightness button until you reach the desired brightness (10%-20%-30%-40%-50%-60%-70%-80%-90%-100%).

Note: If the indicator lights up , indicating this mode is running.

4. ATTENTIONS

- √ Please read this user manual carefully before using and follow it strictly.
- √ Please keep the switch away from water since it is not waterproof.
- √ Please keep the light away from flammable items to avoid accidents.
- √ Please unplug the power and contact the seller if the light is not working properly. ****OPENING WILL VOID WARRANTY****
- √ Please unplug the power before maintenance.
- √ Please mind that the temperature range for the light is between 23°F~113°F (-5°C~45°C).

5. WARNING

To avoid possible electric shock, do not immerse the switch in the water. If the switch falls into the water or becomes wet, do not touch it until you have unplugged it. Basic safety precautions that should be observed are as follows:

1. Read and follow this user manual strictly.
2. DANGER- To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself. Instead, return the light to an authorized service facility for maintenance or discard it.
 - A. If the light falls into the water, DO NOT touch it. First unplug it, then retrieve it. If electrical components of the light get wet, unplug it immediately.
 - B. Carefully examine the light after installation. It should not be plugged in if there is water on parts that are not intended to be wet.
 - C. Do not operate the light if it has a damaged cord or plug, is malfunctioning, dropped, or damaged in any manner. The power cord of this light cannot be replaced. If the cord is damaged, the light should be discarded.

D.To avoid the possibility of the light plug getting wet, position the aquarium and its stand to one side of a wall mounted outlet to prevent water from dripping onto the outlet or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord, which connects the light to the outlet. If an extension cord is used, the “drip loop” is the part of the cord below the level of the outlet or the connector that prevents water from traveling along the cord and coming in contact with the outlet. If the plug or outlet does get wet, DO NOT unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the light. Then, unplug and examine for the presence of water in the outlet. If you are not sure, consult a certified electrician.



- 3.Close supervision is necessary when the light is used near children.
- 4.To avoid injury, do not contact moving or hot parts.
- 5.Make sure the light is securely installed before operating it.
- 6.Read and observe all the important notices on the light.
- 7.If an extension cord is necessary, a cord with a proper rating should be used, such as rated amperes or watts. A cord rated for fewer 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.
- 8.The light is intended FOR HOUSEHOLD USE ONLY.
- 9.SAVE THIS USER MANUAL.

6.DISPOSAL

Do not dispose this product as unsorted municipal waste. This product must not be disposed together with the domestic waste it must be disposed of at an authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmental friendly way.



7. PACKING LIST

- 1x Light with controller
- 1x DC adapter
- 2x Metal extendable bracket (Exclude for Model HG129-12inches & 18inches with 1PC metal clip)
- 1x User manual

8. CONTACT INFORMATION

E-mail: service@hygger-online.com

Website: www.hygger-online.com