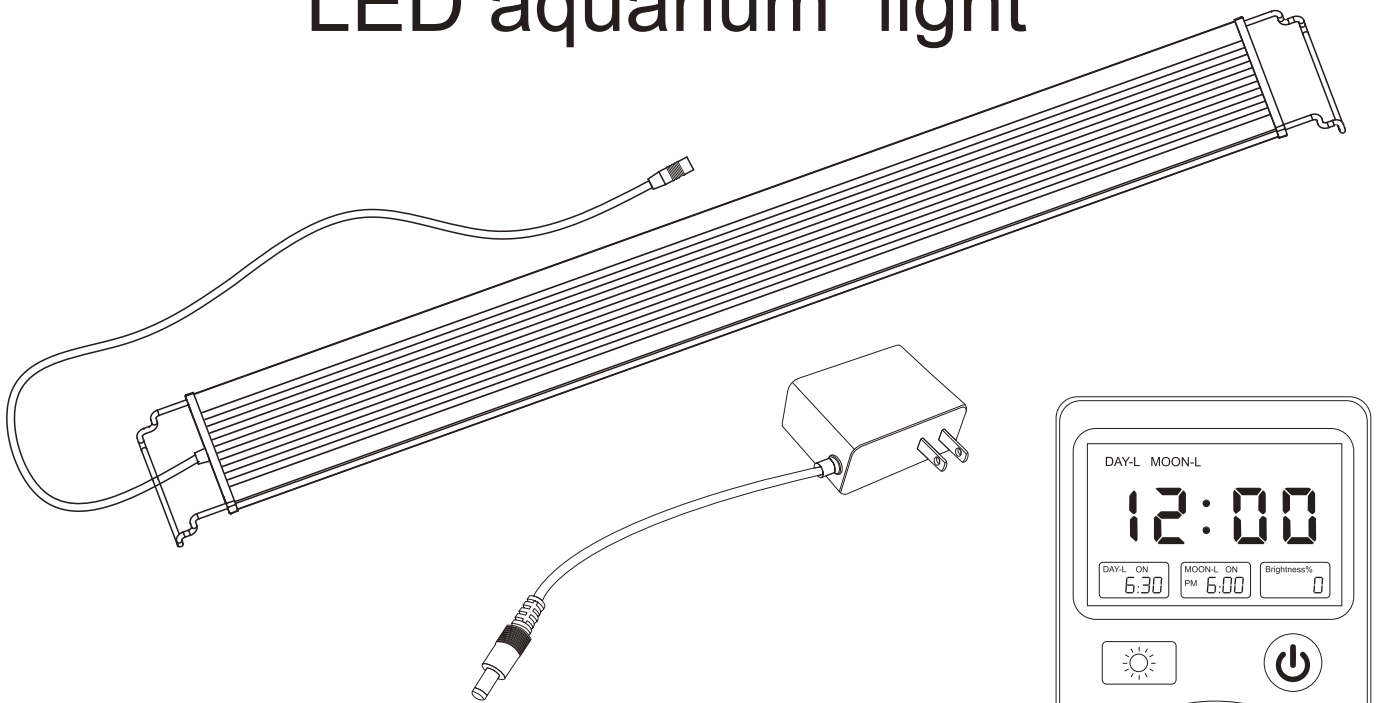




HG016 USER MANUAL

hygger remote control LED aquarium light



hygger remote LED aquarium light is a complicated, remote control led light which features multiple weather simulation options: sunrise, sunset, lightning, etc. With remote, advanced aquarists can create a customized lighting for its own need. Please read this manual carefully before using and follow strictly in accordance with the manual.



1. PACKAGE INCLUDED

- 1× Led Light
- 1× LCD Remote Control
- 1× DC Power Supply
- 2× Metal Brackets
- 1× User Manual

NOTE:

- If your LED light is missing any parts, please contact us directly with your order number, mago@hygger-online.com
- For additional installation instructions and videos, please visit our website.

2. INSTRUCTIONS

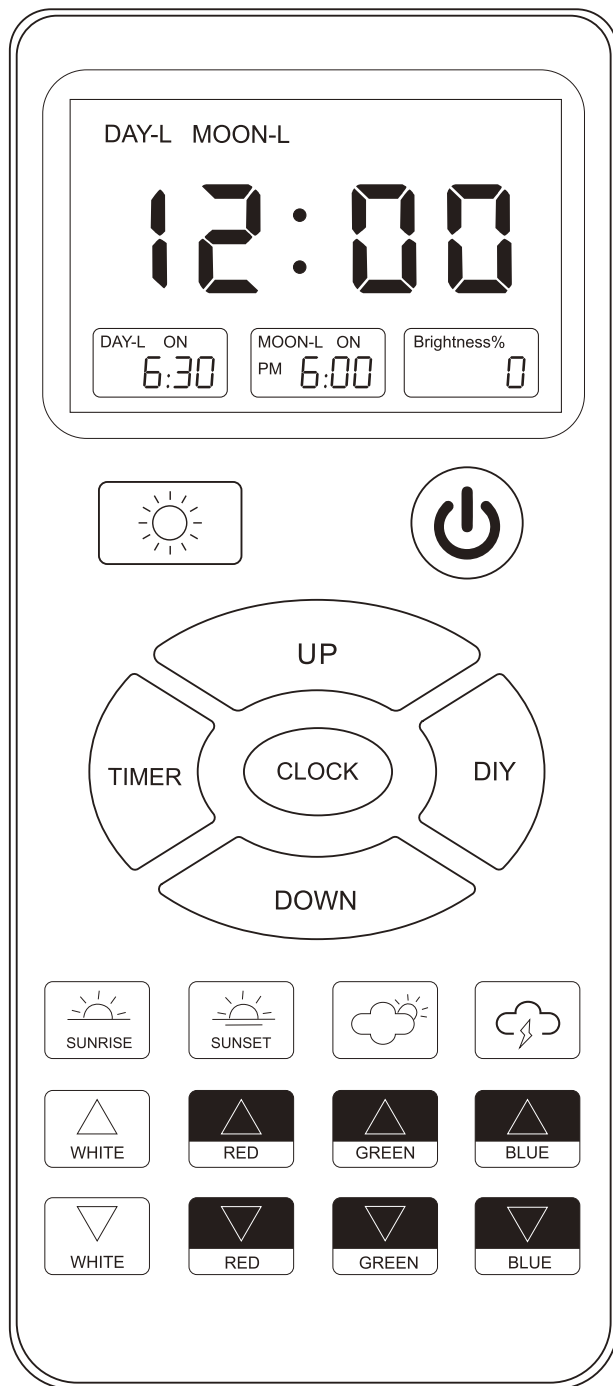
STEP 1- Remote LED Light Installation

- 1.Unpack light fixture and components.
- 2.Slide the adjustable legs on the side of the light fixture to match the length of aquarium.
- 3.Set fixture on aquarium and ensure metal brackets fit snug on edges of aquarium-or-slide end of wire mounts into rimless tank brackets until they snap into place.

STEP 2- Remote Controller Installation

- 1.IMPORTANT: Plug-in light before mounting controller
- 2.Remove plastic cover from remote controller
- 3.Install 2 (AAA) batteries

STEP 3- Remote Light Overview



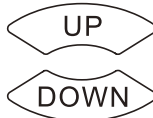
RF Remote Controller: suitable for receiving and transmitting signals at a distance in 10 meters, and can be remote controlled through the wall.



Switch button - Turns controller and light OFF/ON



Color -select color, red, green, blue, purple, orange, cyan, yellow. Long press 3 seconds to run RGB gradient cycle lighting



Up/Down- press to adjust brightness, adjust time, turn on/off DIY mode



Timer-press to program DAY-Light or MOON-Light time setting



Clock- long press 3 seconds to chose 12H/24H, press up/down to select. Press to set local time, press to save and esc



DIY-press to program DIY mode

Control Panel Overview



Sunrise
simulate sunrise



Sunset
simulate sunset



Cloud
simulate cloud



Lighting
simulate thunder



White up
turn up brightness of white



Red up
turn up brightness of red



Blue up
turn up brightness of blue



Green up
turn up brightness of green



White down
turn down brightness of white



Red down
turn down brightness of red







Green down
turn down brightness of green

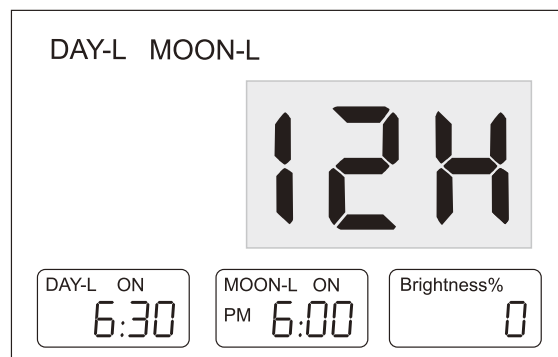


Blue down
turn down brightness of blue









STEP 4- Set local time

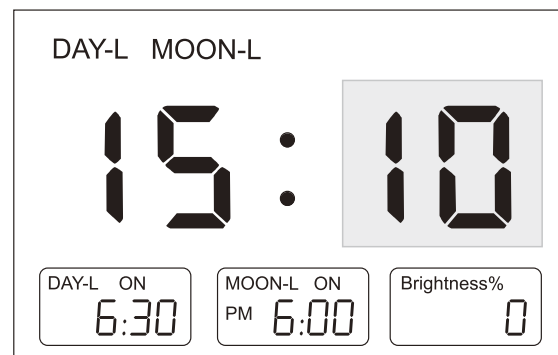
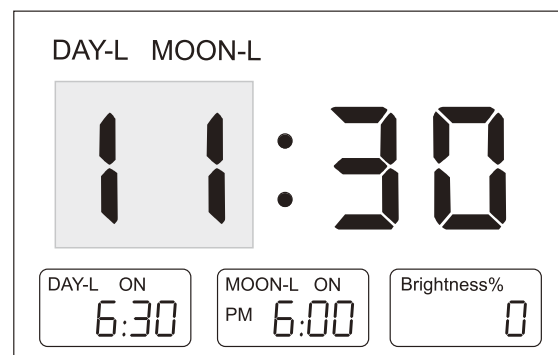
1.

Long press the  "12H" will begin flashing, the "12H" flash in the screen. Then press  or  button select either a 12H or 24H time display, press  to save it.

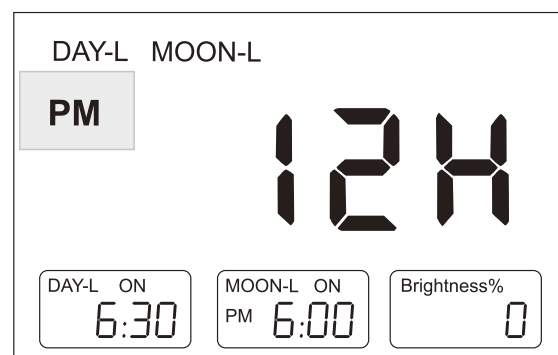


2.

Hold the  until you see "12H" flashes, then press once  you will see the hour number flash, then press  or  to set the local time. Press  the minute number will flash, then press  or  to set the minute. Press once  button to save.



Note: It will display "PM" on the screen when you choose "12H" time.




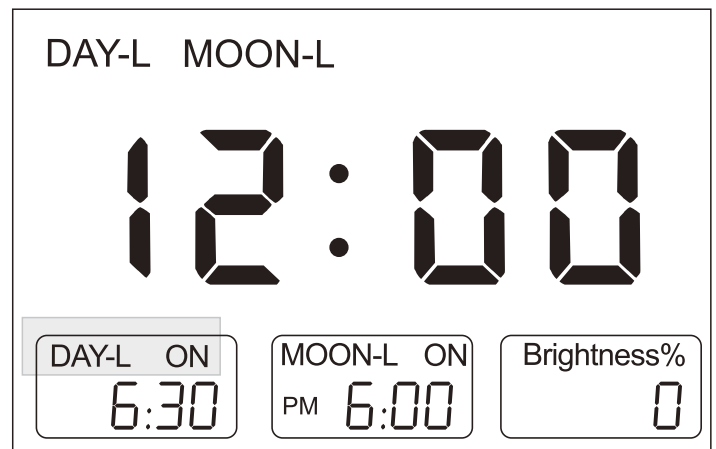
hygger remote LED light controller features two timer functions:

1. DAY-L/MOON-L mode for running a gradual sunrise, daylight, sunset, and moonlight programmed around a daily ON/OFF time.
2. DIY mode for playing a custom scene with 8 sections ON/OFF time, selected light color and brightness.
3. Weather mode for stimulating sunrise, sunset, cloudy, lightning storm, you can wish to view any on-demand dynamic mode.






1 DAY-L/MOON-L mode

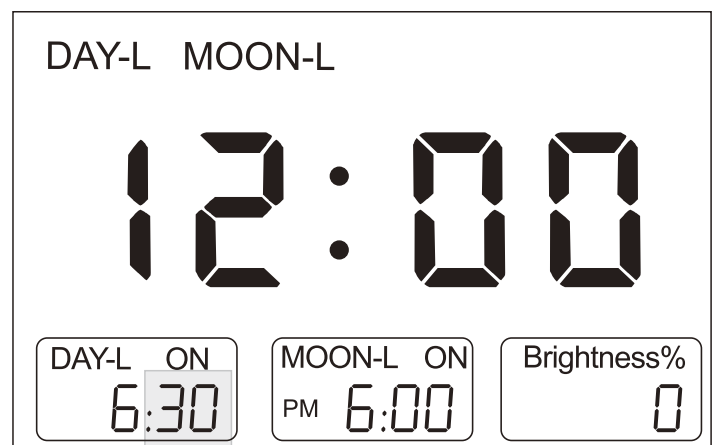
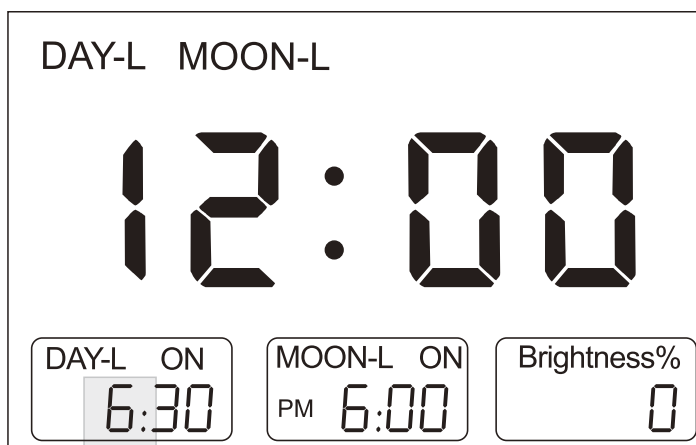
1.DAY-L setting

- ① Press the  button once
“DAY-L ON” will begin flashing.

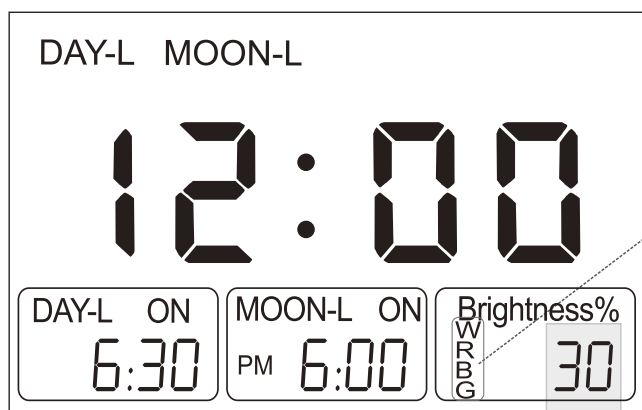


- ② Long press the  button again to enter into edit mode.

The “DAY-L ON” of hours number will flash, press  or  to set the hour start time. Then press the  button once, the “DAY-L ON” of minute number will flash, press  or  to set the minute time.









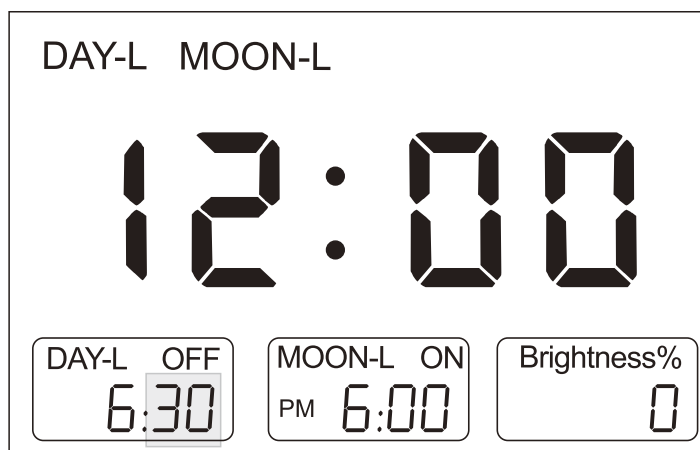
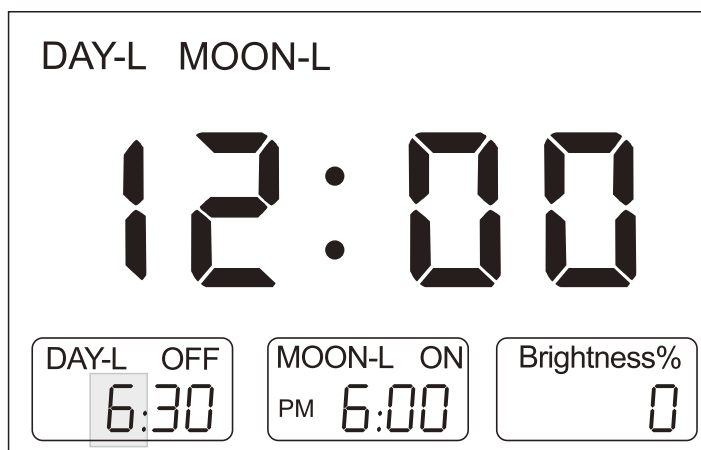
- ③ Press the  button to save the daylight start time, and the brightness will flash, press         WRGB button to set each light color's brightness.




Tips:

when you press     , the corresponding color (W, R, G, B) flashes on the brightness interface.

- ④ Press the  button once to save the brightness, and enter into set daylight off time, the screen will read "DAY-L OFF" flash. Press  or  to set the hour off time. Then press the  button to save, and the minute number will flash, press  or  to set the minute time.




- ⑤ Press the  button to save the daylight off time.

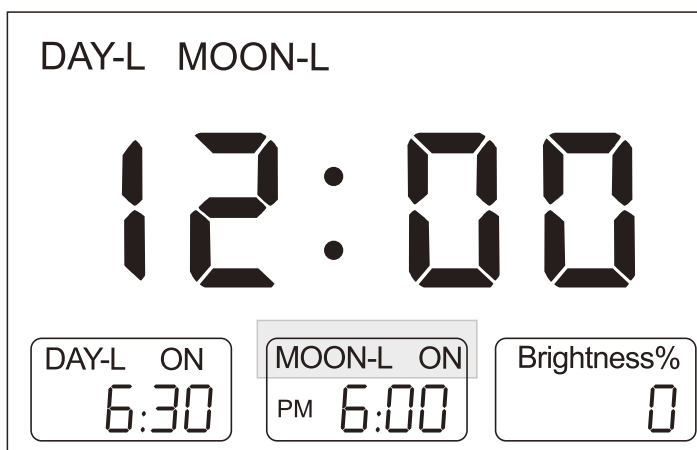
Tips







- ① DAY-L ON means the time of light turn on in the daytime ,
- ② DAY-L OFF means the time of light turn off in the daytime
- ③ When the time of DAY-L ON and the time of DAY-L OFF is the same , the screen display DAY-L OFF.

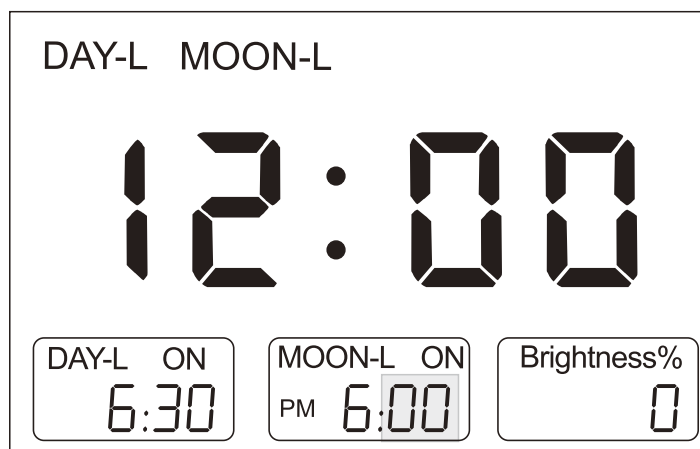
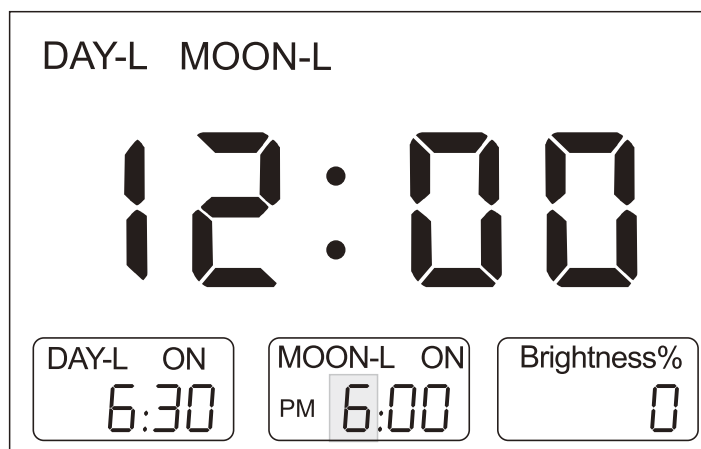
2.MOON-L setting

To modify the moonlight ON and OFF time of the Standard timer , follow the next steps:

- Press the  button twice, the " MOON-L ON" will start flashing.

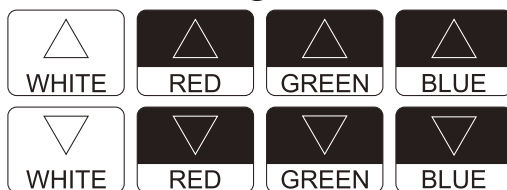


- Long press the  button again to enter into edit mode .The "MOON-L ON" of hours number will flash, press  or  to set the hour start time. Then press the  button to save, and the minute number will flash, press  or  to set the minute time.



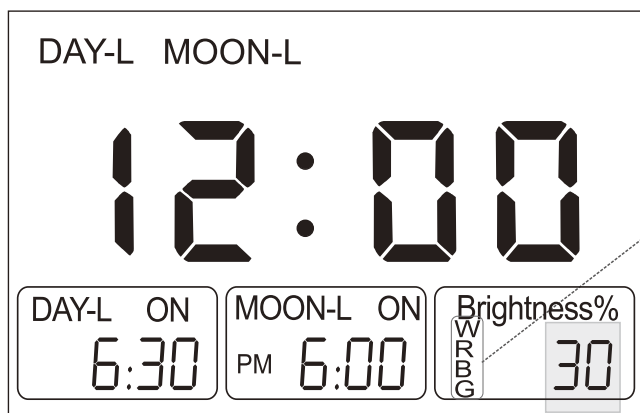
- Press the  button to save the moonlight start time, and the

brightness will flash, press



WRGB

button to set each light color's brightness.

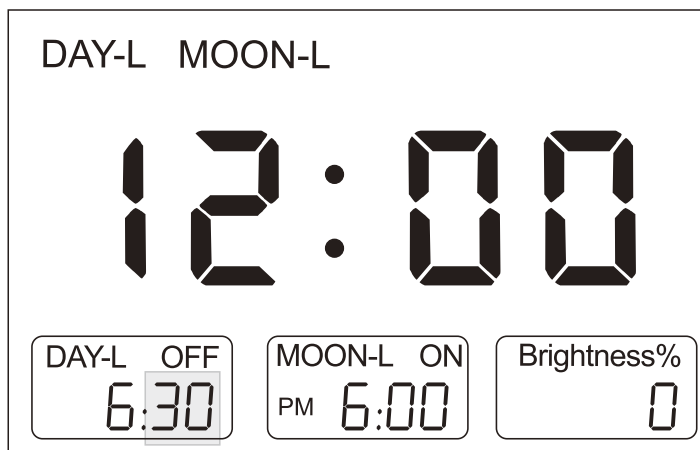
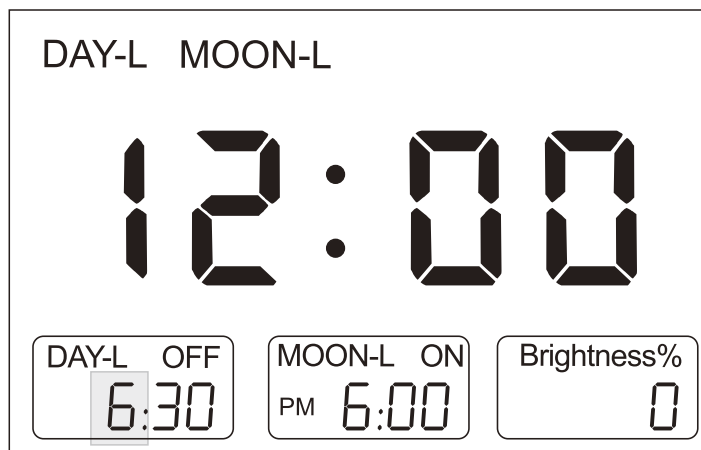


Tips:

when you press , the corresponding color (W, R, G, B)

flashes on the brightness interface.

- ④ Press the button once to save the brightness, and enter into set moonlight off time, the screen will read "MOON-L OFF" flash. press or to set the hour off time. Then press the button to save, and the minute number will flash, press or to set the minute time.

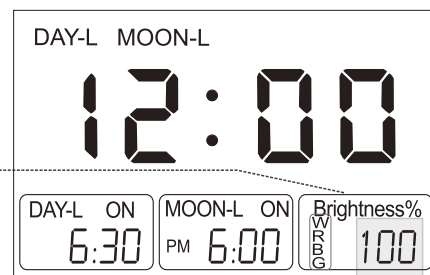


- ⑤ Press the button to save moonlight off time.









ATTENTION

All four LED's colors (white, red, green, blue) are adjustable in intensity in steps from 0 to 25%, you can control the light intensity from very dim to extremely bright. 0% means no light. 25% brightness of every single color is the most bright of each light. It depends on how you arrange light color and brightness.



For example, you prefer 17% white and 10% blue light, then you can see 27% brightness at the display, and W for white, B for blue.

Press     all these button until the brightness display, W R G B disappear. Then press  to 17% brightness, Press  to 27% brightness.

DAY-L MOON-L

12:00

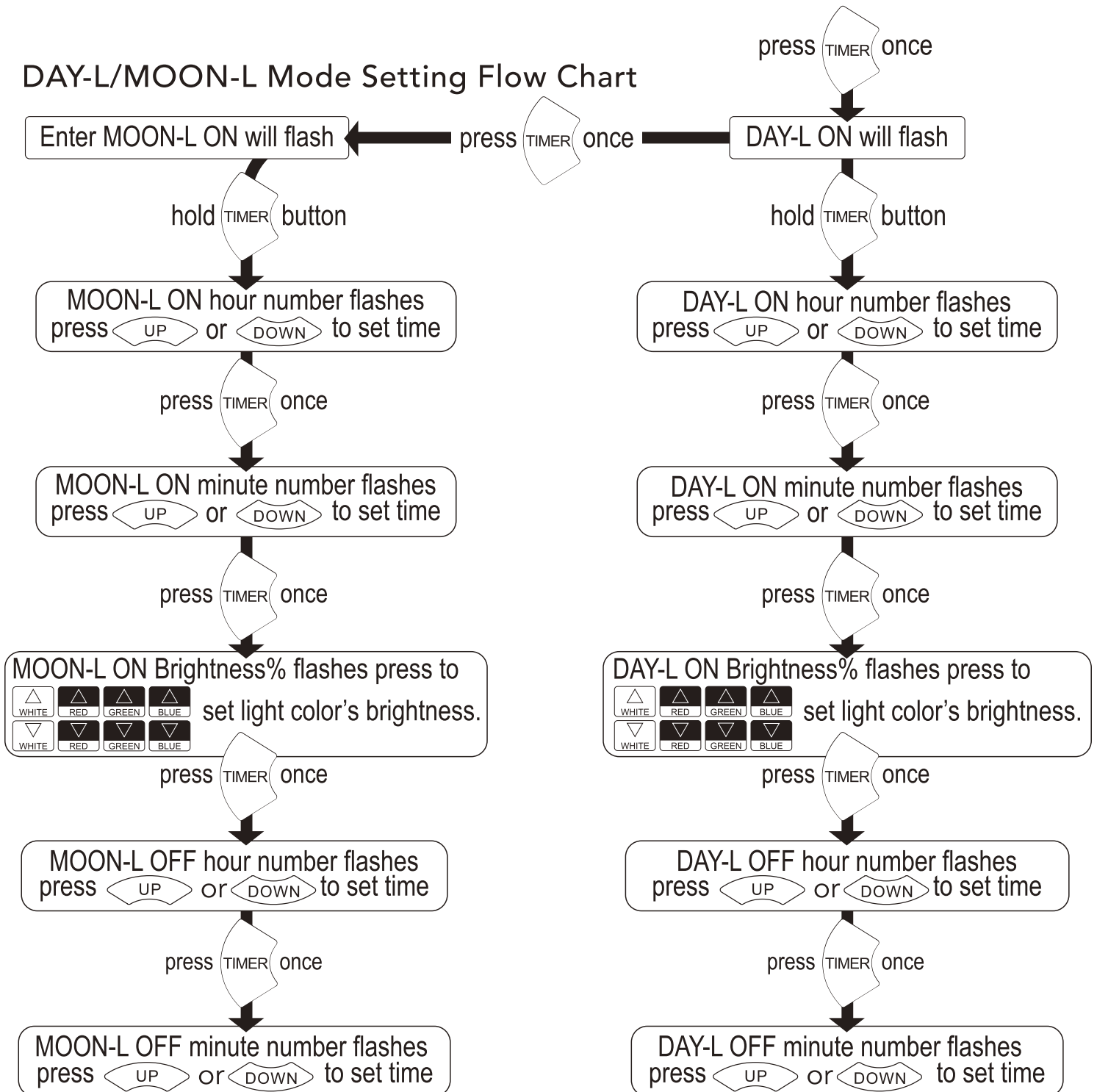
DAY-L ON 6:30 MOON-L ON PM 6:00

Brightness% W B 27

Brightness%

W B 27

DAY-L/MOON-L Mode Setting Flow Chart





3. DAY-L MODE & MOON-L MODE Default Program

Daylight ON : 06:30am

Daylight OFF : 18:00 (06:00pm)

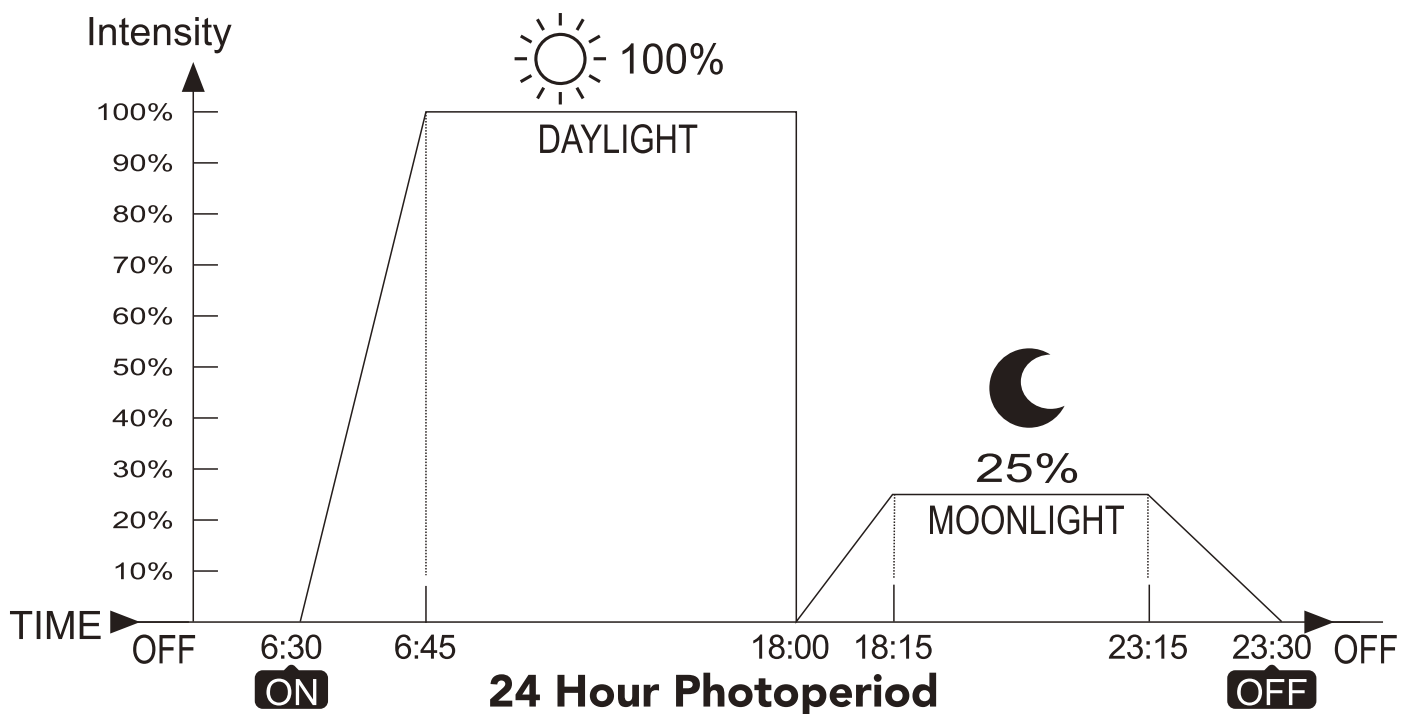
Color Spectrum: W 25%,R 25%,G 25%,B 25%. **The intensity of lighting from 0% slowly ramps up in 15 minutes until 100% full spectrum.**

Moonlight ON : 18:00 (06:00 pm)

Moonlight OFF : 23:30 (11:30 pm)

Color Spectrum : B 25%. **The intensity of lighting from 0% faint blue light slowly ramps up in 15 minutes until 25% full blue.**






Note: There is no need to set when selecting the Default Mode, just to set local time after out of the box and plugged in.

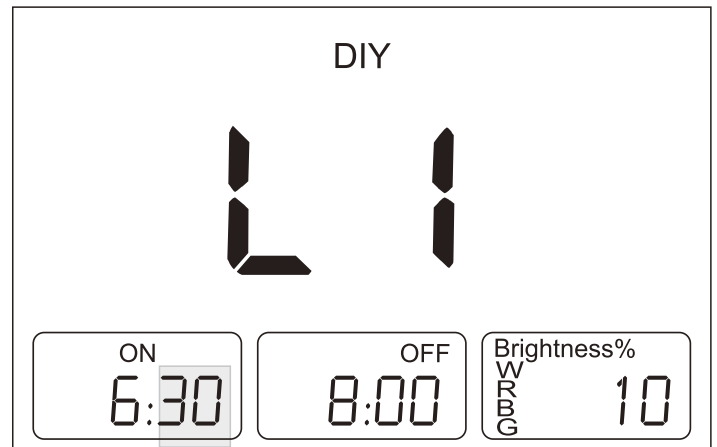
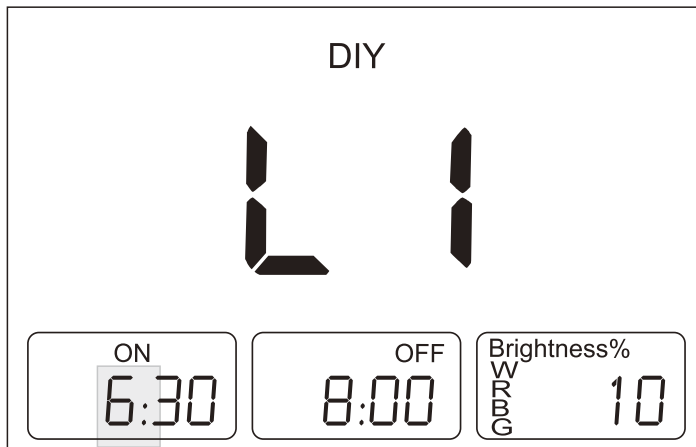








2 DIY mode

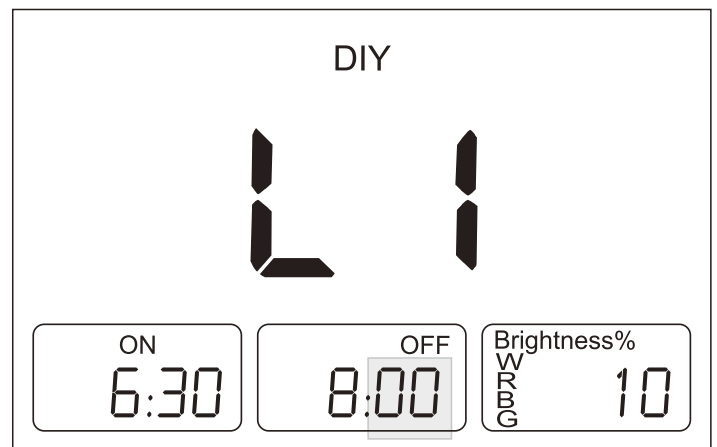
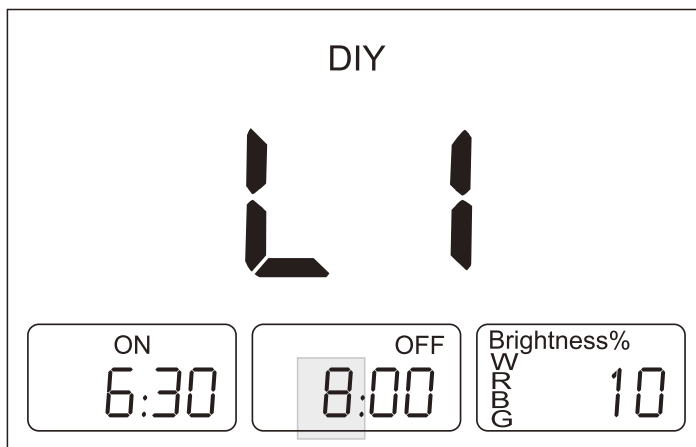
1. DIY setting






- ① Press and hold **DIY** until "DIY" flashing, then press **UP** or **DOWN** to turn on/off DIY mode. Press **DIY** once to enter setting.

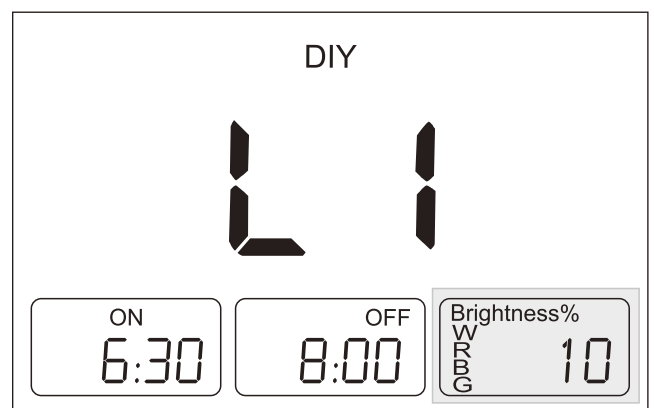
② After turned on DIY mode, you can see L1 displays on LCD screen, hour of L1 ON flash, you can press  or  to adjust hour of L1 ON. Press  again, minute of L1 flash , you can press  or  to adjust minute of L1 ON time.









③ Press  again, hour of L1 OFF time flash, you can press  or  to adjust hour of L1 OFF time, press  again, minute of L1 flash, you can press  or  to adjust minute of L1 OFF time.

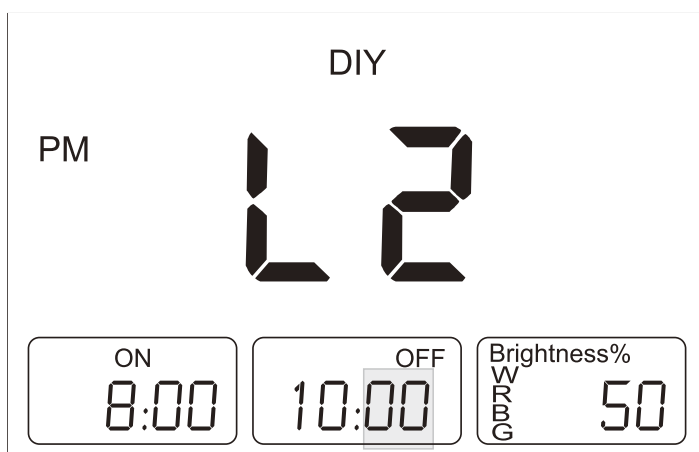
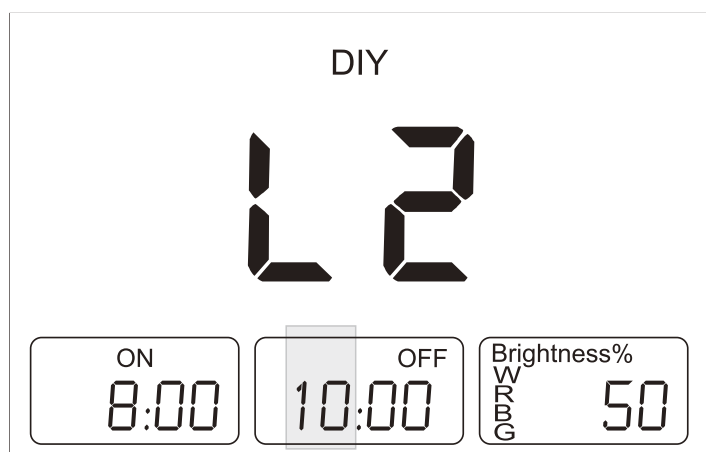







④ Then press , Brightness flashing you can press     to increase or decrease the brightness of four colors.

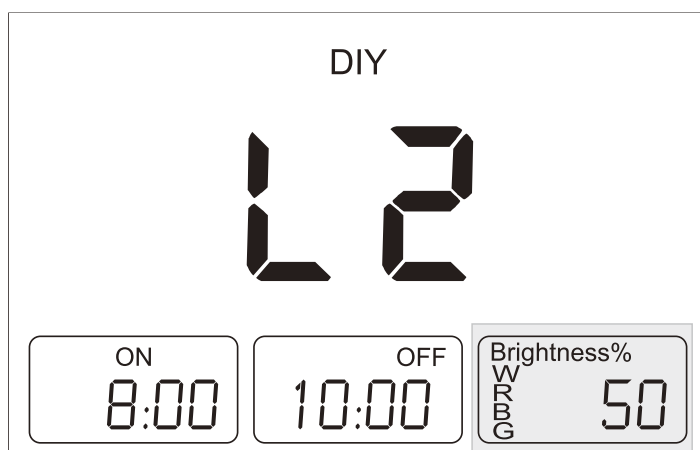




- ⑤ Press  to set L2, L2 ON time is the L1 OFF time, and so on for L3-L7, so you just need to set L2 OFF time, the hour of L2 OFF time flash, you can press  or  to adjust hour of L2 OFF time, press , the minute of L2 OFF time flash, you can press  or  to adjust minute of L2 OFF time.



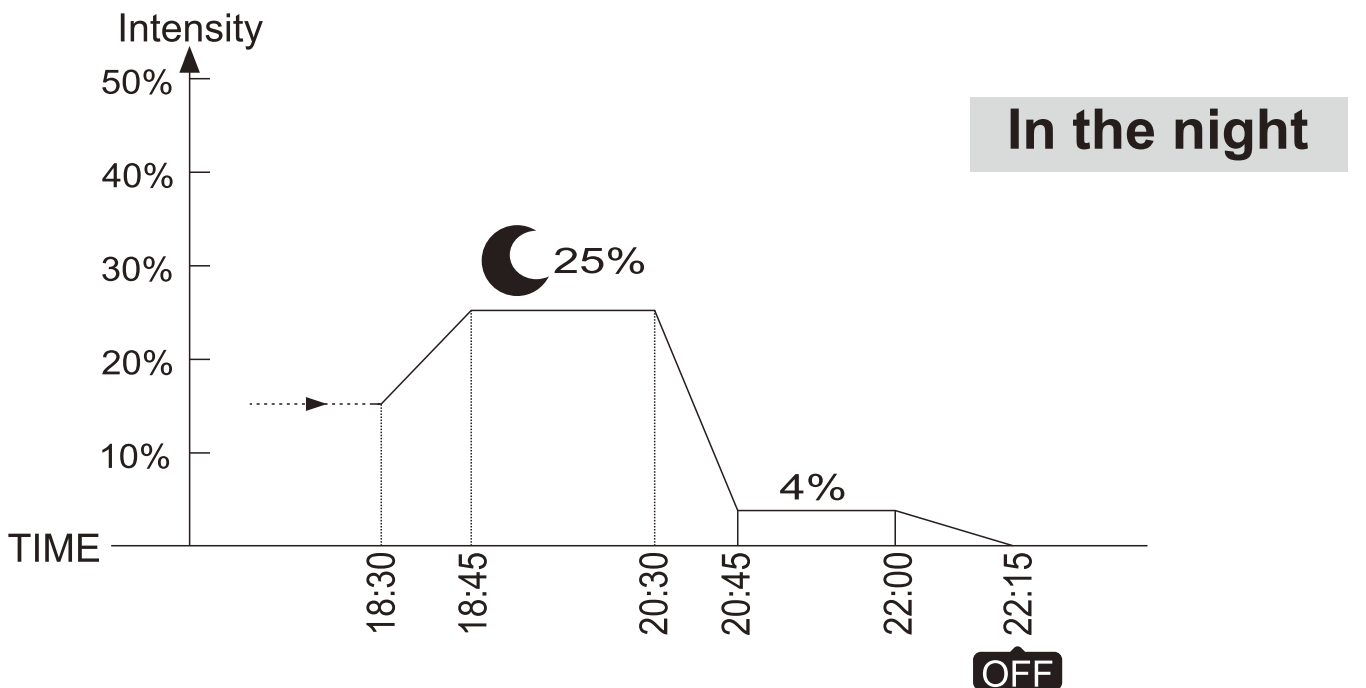
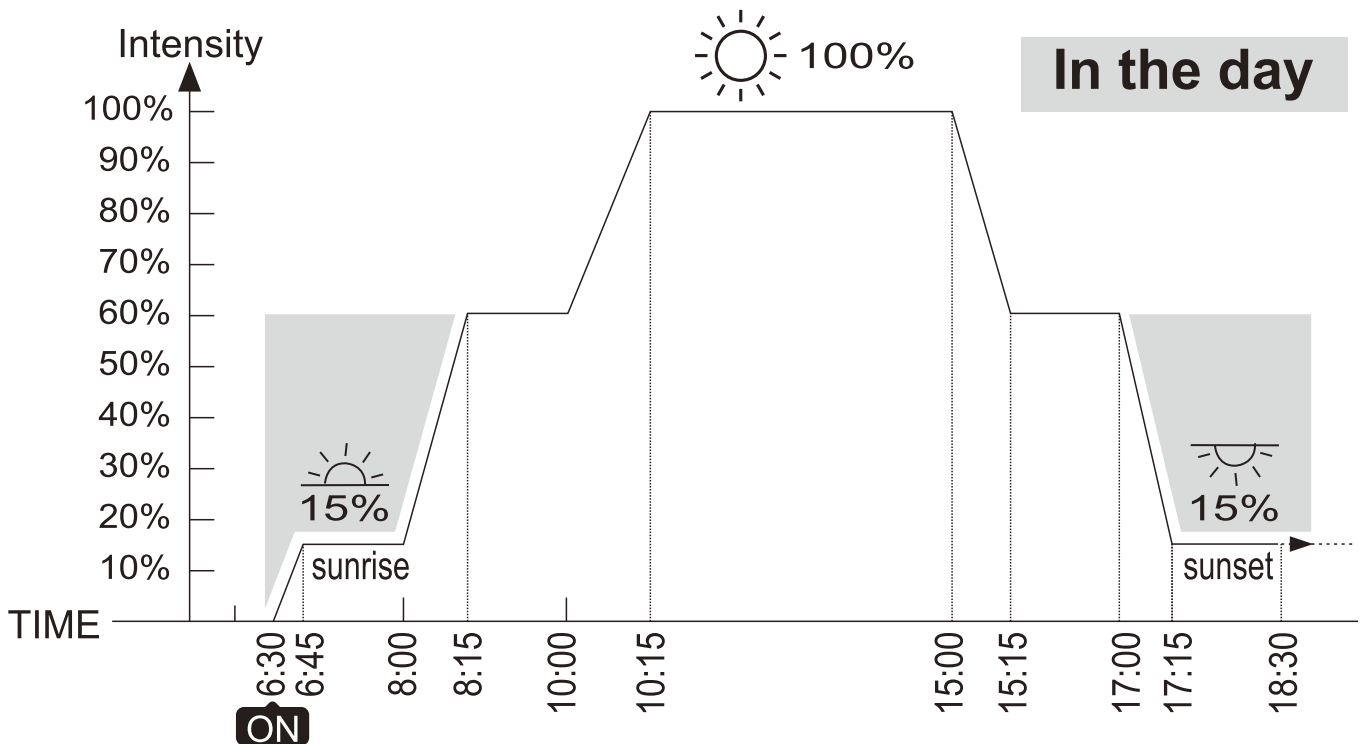
- ⑥ Press , the brightness flash then you can press     to increase or decrease the brightness of four colors. Repeat the flow above to set L3-L7.








- ⑦ And so on to finish setting L7. The start time of L8 is the end time of L7, and the end time of L8 is one minute before the start time of L1, please note that L1-L8 must be set for the whole 24 hours in DIY mode.

2. DIY Mode Default Program

L1	6:30-8:00	Color Spectrum : WRG 15% , sunrise
L2	8:00-10:00	Color Spectrum : WRGB 60%
L3	10:00-15:00	Color Spectrum : WRGB 100%
L4	15:00-17:00	Color Spectrum : WRGB 60%
L5	17:00-18:30	Color Spectrum : W 2%,R 10%,G 3%,B 0%,sunset
L6	18:30-20:30	Color Spectrum : B 25%
L7	20:30-22:00	Color Spectrum : B 4%
L8	22:00-6:29	Color Spectrum : 0%







3 Weather Mode

You can press any of these weather button ( ,  ,  , ) which simulates sunrise, sunset, cloudy and lightning storm mode. **You'd have to press  button manually turn the weather off. Otherwise, it will last until the ON time of DAY-L or MOON-L or L1 .**

For example:

When the lights are running in DAY-L/MOON-L mode, then you press sunrise button at 8 a.m., the lights will slowly ramps up to full bright in 30 minutes. If you don't turn off the weather mode manually, it will stay on, until the 18:00 the light turns into blue light. At this time, the light runs on default day light moon light mode.

- Sunrise: Enabled by a  button on the remote. The lights start gradient orange lights slowly ramps up to 100% full spectrum.
Sunrise Color Spectrum: R25%+G3% slowly ramps up to color spectrum B 25%, W 25%, R 25%, G 25%.
- Sunset: Enabled by a  button on the remote. The lights start 100% full spectrum slowly ramps down to orange lights until the light off. Duration 30 minutes.
Sunset Color Spectrum: B 25%, W 25%, R 25%, G 25% slowly ramps down to color spectrum B 0%, W 0%, R 0%, G 0%.
- Cloudy: Enabled by a  button on the remote. It is a non-adjustable color setting that is mostly blue and not very bright.
Color Spectrum: W1%+R1%+B4%+G2%
- Lightning Storm: Enabled by a  button on the remote. The lightning flash is set to last for 2 seconds before returning back to dark clouds, then reciprocating cycle.
Color Spectrum: W1%+R1%+B3%+G3%

3. PRODUCT PARAMETERS

MODEL	HG016					
INPUT VOTAGE	AC100-240V					
OUTPUT VOTAGE	DC20V					
POWER	18W	24W	30W	36W	42W	58W
WHITE LED QUANTITY	32	54	64	74	84	130
RGB LED QUANTITY	24	36	48	60	72	96
PURPLE LED QUANTITY	4	6	8	10	12	14
LIGHT SIZE (without bracket)	10.8"	16.7"	22.6"	28.5"	34.4"	46.2"
APPLICATION	12"-18"	18"-24"	24"-30"	30"-36"	36"-42"	48"-54"
POWER CORD	4.9ft+2.3ft					
COLOR TEMP	6000-10000k					
RENDER INDEX	89					
LUMENS	1000	1600	2100	2700	3100	3600

4. Maintenance

For maximum LED performance, it is recommended that the fixture be cleaned on a weekly basis. Unplug transformer prior to cleaning the light fixture and remove from aquarium. Wipe exposed surfaces carefully with a damp cloth to remove any dust or mineral deposits that may collect over time. Do not use detergents or harsh cleaners as it can damage the light fixture.

5. Troubleshooting

- Light stopped working, please check the remote control batteries. Replace it if it is run out of battery. If still not working, please contact us to get a new power supply. Maybe the power supply damaged.
- Light is not response to remote, unplug the light, take out the battery on the remote. Then put it back and plug in light, press on/off button to match with light.

PS: The step of taking out the battery would restore factory setting. You have to reset the light again.



Memory Function

If power failure, the light turns on at 100% full spectrum once restore. Then the light will revert back to the previous mode within one hour.

Restore Factory Default Settings

Take out the battery, you need to manually unplug the power adapter to turn off the light, reinstall the battery and reset the program.

6. IMPORTANT SAFETY INSTRUCTIONS

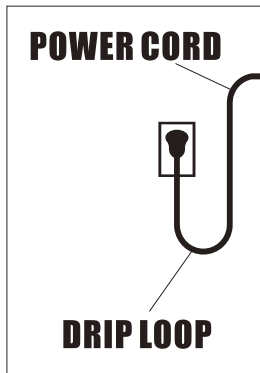


Warning: To guard against injury, basic safety precautions should be observed, including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- ① You should read all the important notices on the appliance before using. Failure to do so may result in loss of fish life or damage to this appliance.
 - 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 by yourself. Return the appliance to an authorized service facility for service or discard the appliance.
- Carefully examine the appliance after installation. Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or it is dropped or damaged in any manner. The power cord of this appliance cannot be replaced. If the cord is damaged, the appliance should be discarded. Never cut the cord.
 - To avoid the possibility of the appliance plug or receptacle to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop" (see illustration) should be arranged by the user for the cord connecting appliance to a receptacle. The drip

loop is that part of the cord below the level of the receptacle or the connector if an extension cord is used to prevent water travelling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, do not unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in receptacle.



- ③ 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.
- ④ To avoid injury, do not touch moving parts or hot parts.
- ⑤ CAUTION-Always unplug or disconnect all appliances in the aquarium from electricity supply before placing hands in water, before putting on or taking off parts and while the equipment is being installed, maintained or handled. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect. Always unplug an appliance from an out let when not in use.
- ⑥ Do not install or store the appliance where it will be exposed to weather or temperatures below freezing. For indoor household use only. Do not immerse.
- ⑦ Make sure the appliance is mounted correctly and securely positioned on the aquarium before operating the appliance.
- ⑧ If an extension cord is necessary, a cord with 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. The connection should be carried out by a qualified electrical installer.
- ⑨ The socket-outlet shall be installed near the equipment and shall be easily accessible.



7. FCC STATEMENT

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.

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 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.

FCC Caution:

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 8 inches (20cm) between the radiator & your body.

8. DISPOSAL

Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product must not be disposed together with the domestic waste. This product has to be disposed 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 and healthy way.



9. CONTACT INFORMATION

E-mail: service@hygger-online.com

Website: www.hygger-online.com