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## OptiBright™+ LED Light Owner's Manual

### FIXTURE INSTALLATION INSTRUCTIONS

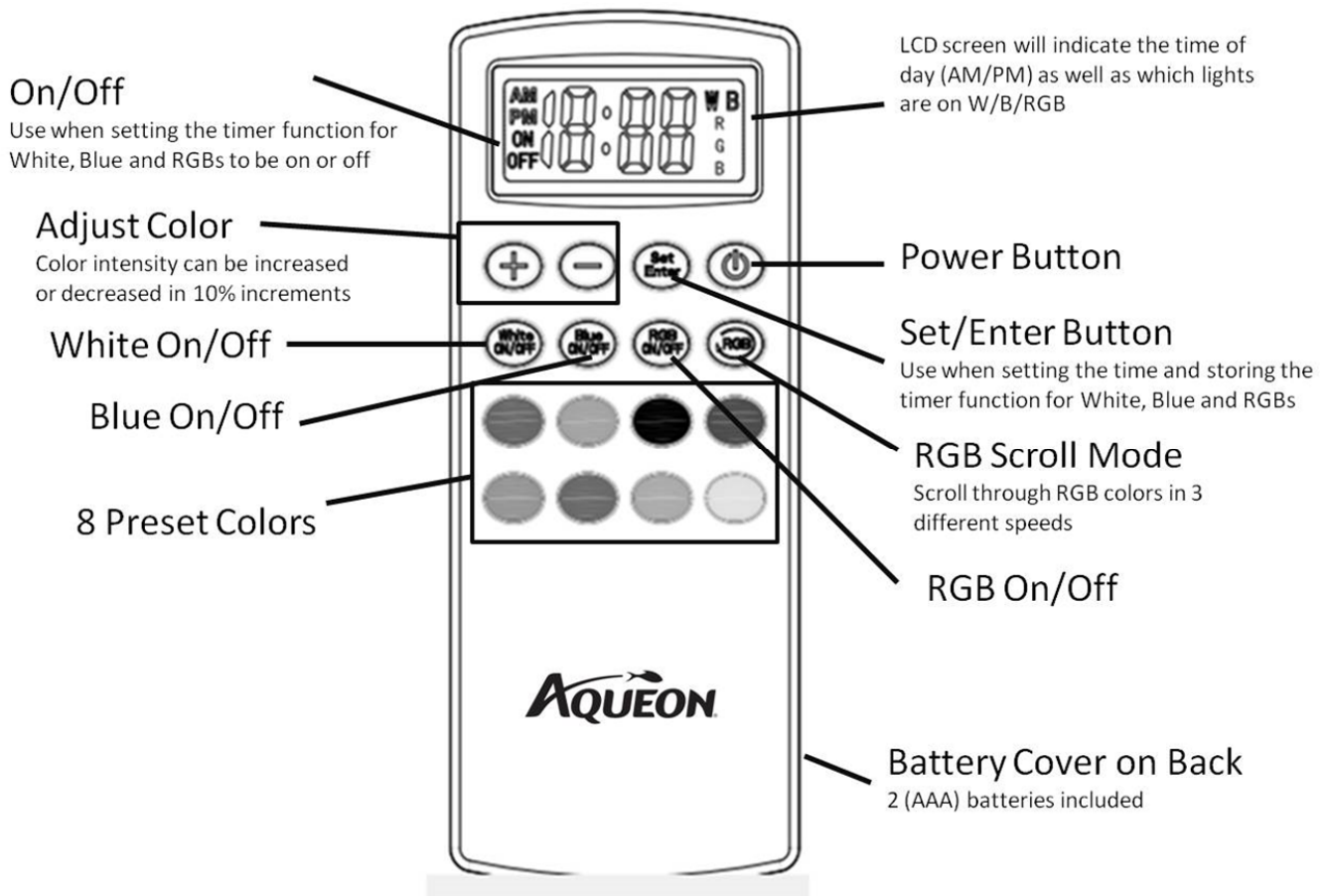
- This product is recommended for use over glass-covered aquariums.
- Aqueon® glass covers fit on the inside lip of the aquarium to prevent seepage out of the aquarium.



1. Position the fixture over aquarium by adjusting the legs (Fig 1) to the proper length so they securely hold the fixture in place. Always center the fixture so that it provides maximum exposure of light to all aquarium inhabitants.
2. Connect the transformer to the connector on the side of the light fixture.
3. Plug the transformer into an acceptable outlet. Be sure to incorporate a "drip loop" to prevent water droplets from running down the cord and into the outlet should any water get onto the cord.
4. The light fixture will turn on to a standard setting and you can now program the fixture to your preferred settings using the included remote. (Initial standard setting is set to white LED, Blue LED and Purple RGB)



## REMOTE LAYOUT



## REMOTE INSTRUCTIONS

### Installing the Batteries

1. Remove the cover from the back of the remote.
2. Install 2 (AAA) batteries (included).
3. Close the cover – the remote is now be ready for use.



### Setting the Time

1. Press and hold  for 3 seconds until you see the hour blinking
2. Use the  and  buttons to set the hour – 'AM/PM' will be displayed on the screen.
3. Press . The minutes will be blinking. Use the  and  buttons to set the minute.
4. Press . The time will be set.

### Programming Desired Color Options

Set the fixture to the desired color combination by following the steps below:

1. Setting the White LEDs
  - a. Press  to turn the White LEDs on – 'W' will be displayed on the screen.
  - b. Use the  and  buttons to adjust the color intensity of the White LEDs only.

- c. Press  to turn the White LEDs off.
2. Setting the Blue LEDs
  - a. Press  to turn the Blue LEDs on – 'B' will be displayed on the screen.
  - b. Use the  and  buttons to adjust the color intensity of the Blue LEDs only.
  - c. Press  to turn the Blue LEDs off.
3. Setting the RGB Color Option
  - a. Press one of the 8 preset color options to turn the RGBs on – 'RGB' will be displayed on the screen.
  - b. Use the  and  buttons to adjust the color intensity of the RGBs only.
  - c. Press  to turn the RGBs off.

Note: To program different color intensities for each of the White, Blue and RGB's – each specific color must be on by itself. If all three colors (or two) are on at the same time the intensity will be adjusted for all 3 colors to the same intensity. Ex: If you see 'W' on the screen and you use the  and  buttons, the color intensity will be set for only the White LEDs. If you see 'W' and 'B' on the screen at the same time and you use the  and  buttons, the color intensity will be set for the same amount for both the White AND Blue LEDs.

4. You are now ready to program the timer to your desired settings. Make sure your desired colors are in the 'ON' setting before you start programming. 'W', 'B' and 'RGB' should be displayed on the screen.

#### Programming the Timer

1. Press and hold  for 3 seconds until you see the hour blinking.
2. Press  twice – you will see 'W' and 'ON' on the screen to set the White LEDs ON.
3. Use the  and  buttons to set the hour – 'AM/PM' will be displayed on the screen.
4. Press . The minutes will be blinking. Use the  and  buttons to set the minute.
5. Press  – you will see 'W' and 'OFF' on the screen to set the White LEDs OFF. Repeat steps 3-4.
6. Press  – you will see 'B' and 'ON' on the screen to set the Blue LEDs ON. Repeat steps 3 & 4.
7. Press  – you will see 'B' and 'OFF' on the screen to set the Blue LEDs OFF. Repeat steps 3 & 4.
8. Press  – you will see 'RGB' and 'ON' on the screen to set the RGBs ON. Repeat steps 3 & 4.
9. Press  – you will see 'RGB' and 'OFF' on the screen to set the RGBs OFF. Repeat steps 3 & 4.
10. Press  – your fixture is now programmed to your custom settings.

- Note: If you don't want to set the LEDs to turn on/off you leave them both at 12:00AM.

#### RGB Scroll Mode

1. Press  to scroll through the different color options at different speeds.
  - a. 25 – Color will change every 5 seconds.
  - b. 50 – Color will change every 4 seconds.
  - c. 75 – Color will change every 3 seconds.
  - d. 100 – Color will stop scrolling and be set to the color you selected.

### FCC Certification

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.

**WARNING:** Changes or modifications to this unit 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.

## IMPORTANT CLEANING & SERVICING PRECAUTIONS

**CLEANING:** It is important to keep this appliance clean. **Unplug** and remove the unit from the aquarium. Wipe exposed surfaces carefully with a damp cloth to remove any dust or mineral deposits which may collect over time. Make sure all surfaces are dry before reinstalling.

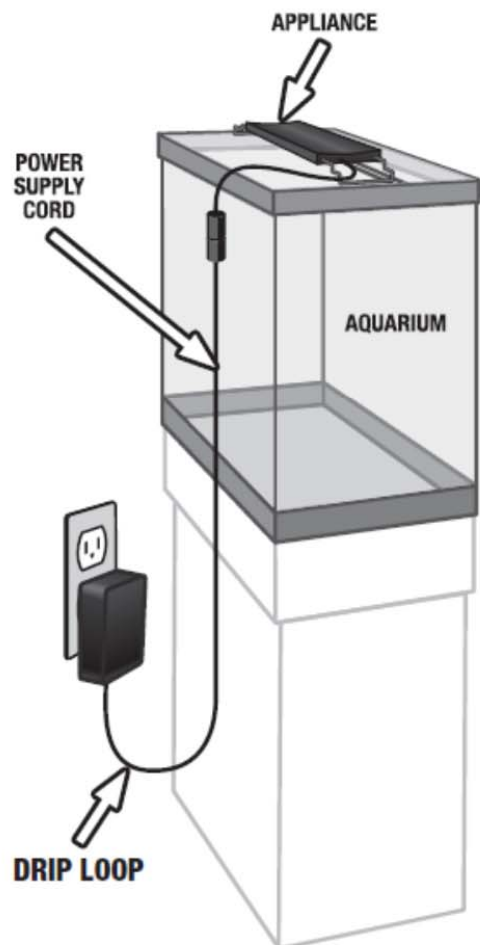
**SERVICING:** In order to assure proper electrical connections and polarity, replacement parts and servicing should be performed only by a qualified electrician.

# IMPORTANT SAFETY INSTRUCTIONS

**WARNING** - To guard against injury, basic safety precautions should be observed including the following:

## 1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

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; return the appliance to an authorized service facility for service or discard the appliance.
  - A. If the appliance falls into the water, DO NOT reach for it! First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately.
  - 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.
  - C. Do not operate any appliance if it has a damaged cord or plug, if it is malfunctioning or if it is dropped or damaged in any manner.
  - D. To avoid the possibility of the appliance plug getting wet, position aquarium stand and tank to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop", shown in the figure below, should be arranged by the user for each cord connecting an aquarium appliance to the receptacle. The "drip loop" is the part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water traveling 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 to the circuit breaker that supplies power to the appliance. Then unplug and examine for the presence of water in the receptacle.
3. Close supervision is necessary when any appliance is used by or near children.
4. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, and the like.
5. 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 plug from outlet. Grasp the plug and pull to disconnect.
6. Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
7. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
8. Make sure an appliance mounted on a tank is securely installed before operating it.
9. Read and observe all the important notices on the appliance.
10. 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.
11. This appliance is recommended for use over a glass aquarium cover or panel.  
The appliance is intended **FOR HOUSEHOLD USE ONLY**.



## 12. SAVE THESE INSTRUCTIONS.

## LIMITED WARRANTY

Aqueon® warrants that this product shall be free from defective electrical components due to defects in materials or workmanship for a period of twelve months from the date of purchase. If a defect is shown, Aqueon® will, at the sole discretion of Aqueon®, either repair or replace the product without charge. No cash refunds will be made. This warranty is provided solely to the original consumer purchaser of the product and may not be transferred or assigned. You must retain original proof of purchase to validate this warranty.

This warranty does not apply to damage resulting from accident, misuse, abuse, lack of reasonable care, failure to follow safety and installation instructions, use of the product with non-standard electrical service, or any other defect not resulting from defects in the electrical components of the product or defects in materials or workmanship. This warranty will not be effective unless and until the Aqueon® product is shown to have been used in accordance with the safety and installation instructions accompanying the product, including the requirement that the product be used over a covered aquarium.

THIS CONSTITUTES THE ENTIRE AQUEON® WARRANTY AND AQUEON® MAKES NO OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCT. AQUEON® SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF AQUEON® CANNOT LAWFULLY DISCLAIM IMPLIED WARRANTIES UNDER THIS LIMITED WARRANTY, ALL SUCH WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

AQUEON® IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY. AQUEON® EXPRESSLY DISCLAIMS ALL ALLEGED DAMAGES FOR LOSS OF AQUATIC LIFE, PERSONAL INJURY, AND/OR PROPERTY DAMAGE. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages or exclusions or limitations on the duration of implied warranties or conditions, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by state or province.

Aqueon® shall not have any obligations under this warranty unless the owner notifies Aqueon® in writing of any alleged defect(s) within 30 days of discovery of the defect(s). Any notice to Aqueon® must be delivered by United States or electronic mail to one of the following addresses:

**U.S. Mail:** Central Aquatics - Aqueon, 5401 West Oakwood Park Drive, Franklin, Wisconsin 53132

**Electronic Mail:** [info@Central-Aquatics.com](mailto:info@Central-Aquatics.com)

Aqueon® shall be allowed a reasonable period of time to investigate any warranty claim and to perform any testing Aqueon® deems necessary to determine the cause of the defect. This warranty shall be interpreted under the laws of the state of Wisconsin.

For additional information regarding this limited warranty, please contact us at the addresses above, or call us at 888-255-4527.