

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Lifegard Aquatics](#) /
- › [LIFEGARD Aquatics R460054 1.2 Gallon Ultra Clear Crystal Aquarium Instruction Manual](#)

## Lifegard Aquatics R460054

# LIFEGARD Aquatics R460054 1.2 Gallon Ultra Clear Crystal Aquarium Instruction Manual

Model: R460054 | Brand: Lifegard Aquatics

## 1. INTRODUCTION

---

This manual provides detailed instructions for the setup, operation, and maintenance of your LIFEGARD Aquatics R460054 1.2 Gallon Ultra Clear Crystal Aquarium. This rimless glass aquarium features a built-in filtration system designed to create a healthy aquatic environment. Please read this manual thoroughly before beginning installation or operation to ensure proper use and longevity of your product.



Figure 1: Overview of the LIFEGARD Aquatics 1.2 Gallon Ultra Clear Crystal Aquarium and potential accessories.

## 2. IMPORTANT SAFETY INFORMATION

---

- Always unplug all electrical components before performing any maintenance or cleaning inside the aquarium.
- Ensure the aquarium is placed on a sturdy, level surface capable of supporting its full weight when filled with water, substrate, and decorations.
- Do not attempt to move the aquarium when it is filled with water.
- Keep electrical cords away from water and ensure a drip loop is formed for all cords to prevent water from traveling along the cord to electrical outlets.
- This product is intended for indoor use only.
- Keep out of reach of children and pets.
- Inspect the aquarium for any damage before filling with water. Do not use if damaged.

## 3. PACKAGE CONTENTS

---

Please verify that all items listed below are included in your package:

- 1.2 Gallon Ultra Clear Crystal Aquarium with Built-in Filter
- Quiet One Submersible Pump
- Sponge Filters (for built-in filter compartment)
- Bottom Insulation Pad
- Bio Balls (for biological filtration)
- Carbon Media (for chemical filtration)

*Note: Additional accessories such as LED lighting, heaters, and algae scrub pads shown in some product images are sold separately and are not included with the base aquarium kit.*

## 4. SETUP INSTRUCTIONS

---

Follow these steps to set up your new aquarium:

1. **Placement:** Choose a stable, level surface away from direct sunlight, heat sources, and drafts. Ensure the surface can safely support the weight of the filled aquarium (approximately 10-12 lbs when full). Place the included bottom insulation pad on the chosen surface before positioning the aquarium.
2. **Rinse Components:** Thoroughly rinse the aquarium, substrate (if using), decorations, and all filter media (sponge filters, bio balls, carbon media) with clean, dechlorinated water. Do not use soap or detergents.
3. **Install Filter Media:** Place the bio balls and carbon media into the designated compartments within the built-in filter system. Position the sponge filters to ensure proper water flow through them.
4. **Install Submersible Pump:** Place the Quiet One submersible pump into the pump compartment of the built-in filter. Ensure the outlet nozzle is correctly oriented for water return into the main tank area.
5. **Add Substrate and Decorations:** Carefully add your chosen substrate (e.g., gravel, sand) to the bottom of the aquarium. Arrange decorations as desired, ensuring they are stable and do not obstruct the filter intake or pump output.
6. **Fill with Water:** Slowly fill the aquarium with dechlorinated water. Use a plate or plastic bag on the substrate to minimize disturbance. Fill to the recommended water level, typically just below the rim of the tank and above the filter intake slots.
7. **Connect Power:** Ensure your hands are dry. Plug the submersible pump into a grounded electrical outlet. Ensure a drip loop is formed for the power cord.
8. **Initial Operation:** Allow the pump to run for several hours to circulate the water and begin the filtration process. This also helps to equalize water temperature if a heater is installed (heater sold separately).
9. **Water Conditioning:** Add appropriate water conditioner to remove chlorine and chloramines from the tap water, making it safe for aquatic life. Follow the conditioner manufacturer's instructions for dosage.
10. **Aquarium Cycling:** For a healthy aquatic environment, it is crucial to cycle your aquarium before adding fish. This process establishes beneficial bacteria that convert harmful ammonia and nitrites into less toxic nitrates. Research "aquarium nitrogen cycle" for detailed guidance. This typically takes several weeks.
11. **Adding Fish:** Once the aquarium is properly cycled and water parameters are stable, you can gradually introduce fish. Acclimate new fish to the aquarium water temperature and chemistry before releasing them into the tank.

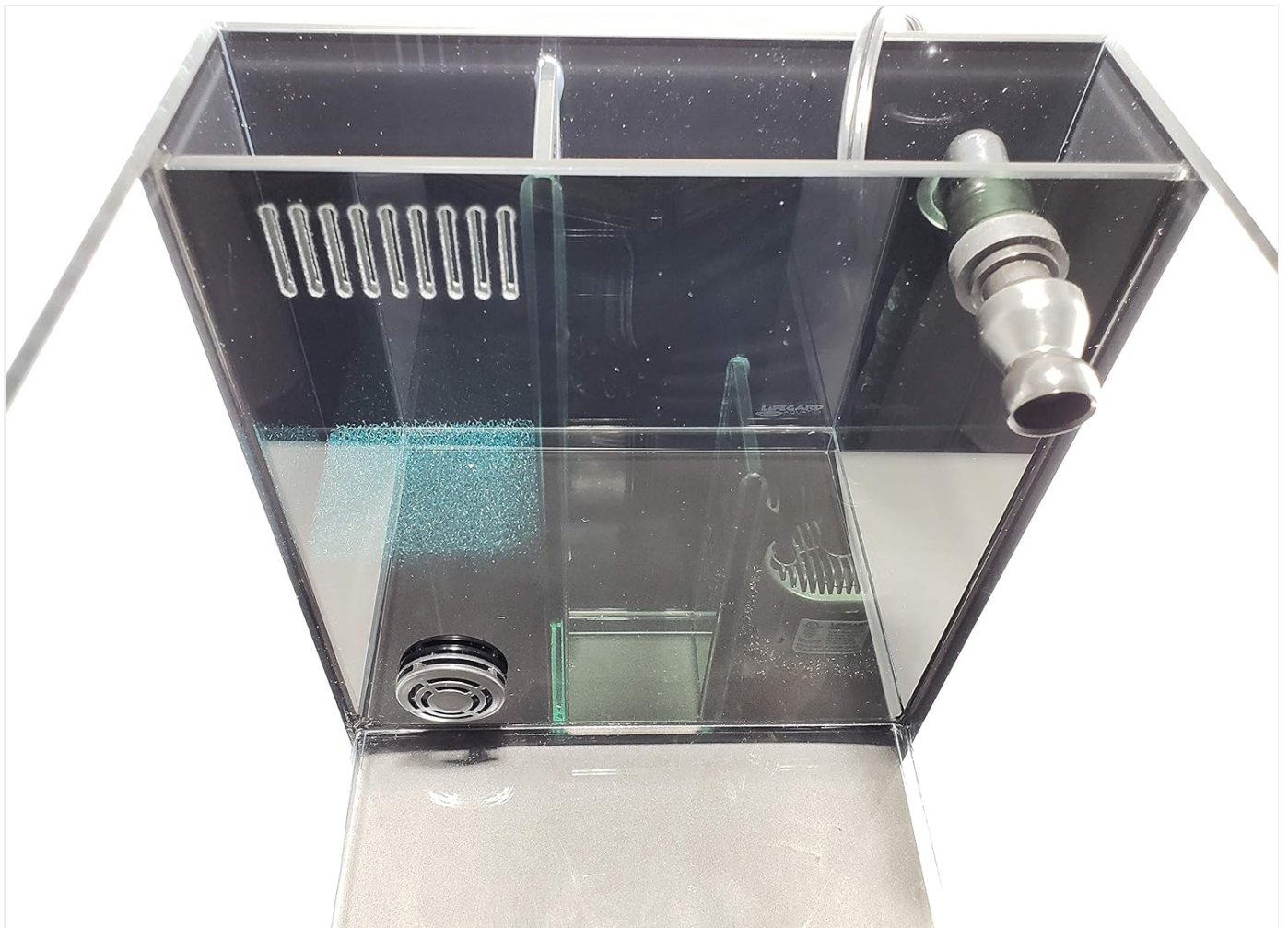


Figure 2: View of the built-in filter compartment, showing areas for pump and media.



Figure 3: Rear view illustrating the integrated filter system design.

## 5. OPERATION

---

### 5.1 Built-in Filtration System

The aquarium features a built-in side or back filter compartment that houses the submersible pump and filter media. Water is drawn into the filter section, passes through the mechanical (sponge), biological (bio balls), and chemical (carbon media) filtration stages, and is then returned to the main display area by the pump, creating a direct jet flow.

### 5.2 Submersible Pump

The included Quiet One submersible pump is designed for continuous operation. Ensure the water level in the filter compartment remains adequate for the pump to operate submerged. Running the pump dry can cause damage.

### 5.3 Optional Accessories (Sold Separately)

While not included, the aquarium design allows for the integration of various accessories:

- **Heater:** A submersible heater can be placed in the filter compartment to maintain a stable water temperature, crucial for tropical fish.
- **LED Lighting:** Clip-on LED lights can be attached to the rimless glass for illumination and plant growth.



**LIFEGARD**  
AQUATICS  
Aquarium, Pond & Aquaculture Products

f @lifegardaquaticsUSA

📷 #lifegard\_aquatics

FULL SPECTRUM CLIP-ON LED LIGHT

PRE-SET QUARTZ HEATER

**INSTRUCTIONS FOR USE**

1. Attach heater to the aquarium using the suction cups.
2. Aquarium water level must cover up to Minimum water level line indicated on the heater
3. Wait 20-30 minutes for thermostat to acclimate to water temperature
4. Plug cord into the power outlet. Make sure the cord has a drip loop

**LED Light Indicator:**

- ▶ **Red** = Heater coil is in Heating mode.
- ▶ **Green** = Maximum desired temperature is reached and the heater coil is OFF. Heater is still operational and functioning fine but not heating because the desired temperature is reached.
- ▶ **Purple** = Heater was operated out of water. Thermal Protection has shut the heater off before any damage occurred. Danger - Heater cannot be used again once the purple light is on.

**Note:** Heater Wattage may change based on the Aquarium size.



**4-WAY TOUCH CONTROL**

- Turn on/off all
- Turn on White only
- Turn on Red/ Green/ Blue
- Dimmable

**Wide angle light dispersion**

- Rubber coated and flexible
- Extends out to 6"
- Fits up to 6 mm lip

**Spectral Distribution Curve**



**CONTROL THE LIGHT:**

- Increase the light intensity
- Switch light colors
- Decrease the light intensity
- Turn it on and off

Plugs into any standard USB



**LIGHT SPECIFICATION:**

- Lux: 380
- Lumens: 155
- Watts: 3W
- White LED = 16
- Red LED = 6
- Blue LED = 3
- Green LED = 3
- Color Temp = 6000K

- Versatile Mount fits up to 6 mm
- 28 Bright LEDs
- deal for Planted Growth and Color Enhancing
- Use for Fresh or Salt water tanks

Figure 4: Examples of optional accessories that can enhance your aquarium setup.



Figure 5: Information on an optional LIFEGARD Full Spectrum Clip-On LED Light (sold separately).

## 6. MAINTENANCE

Regular maintenance is essential for a healthy aquarium environment.

- **Weekly Water Changes:** Perform a 25-30% water change weekly. Use a gravel vacuum to remove debris from the substrate. Always add dechlorinator to new water.
- **Filter Media Cleaning/Replacement:**
  - Rinse sponge filters in old aquarium water (not tap water) every 1-2 weeks to preserve beneficial bacteria. Replace them every 3-6 months or when they show significant wear.
  - Replace carbon media every 2-4 weeks, as its chemical absorption capacity diminishes over time.
  - Bio balls typically do not need replacement but can be gently rinsed in old aquarium water if heavily fouled.
- **Aquarium Glass Cleaning:** Use an aquarium-safe algae scraper or magnetic cleaner to remove algae from the glass surfaces.
- **Pump Maintenance:** Periodically disassemble and clean the submersible pump impeller and housing to prevent blockages and maintain optimal flow.

## 7. TROUBLESHOOTING

---

Problem	Possible Cause	Solution
<b>Pump not running / Low flow</b>	Not plugged in Impeller clogged or damaged Water level too low Air trapped in pump	Check power connection. Unplug, remove pump, clean impeller and housing. Ensure water level is above pump intake. Gently shake pump while submerged to release air.
<b>Cloudy water</b>	New tank syndrome (bacterial bloom) Overfeeding Insufficient filtration Disturbed substrate	Continue cycling, perform small water changes. Reduce feeding amount. Clean/replace filter media. Ensure pump is running correctly. Allow particles to settle, avoid disturbing substrate.
<b>Strong water current</b>	Pump flow rate is high for tank size	Consider adding decorations or plants to break up flow. Some pumps may have flow adjustment, check pump manual.
<b>Water leaking</b>	Cracked glass Seal failure	Immediately drain water. Do not use if glass is cracked. Contact customer support.

## 8. SPECIFICATIONS

---

<b>Brand</b>	Lifegard Aquatics
<b>Model Number</b>	R460054
<b>Tank Volume</b>	1.2 Gallons
<b>Material</b>	Low Iron Glass
<b>Color</b>	Clear
<b>Shape</b>	Rectangular prism with beveled edges
<b>Special Features</b>	Rimless, Built-in Filter, Direct Jet Flow
<b>Item Dimensions (LxWxH)</b>	5.9 x 5.9 x 7.87 inches
<b>Item Weight (empty)</b>	5.97 Pounds
<b>Date First Available</b>	February 25, 2020

# Full Spectrum LED Clip-On Light



Figure 6: Side profile of the aquarium, highlighting its rimless design.



Figure 7: Detail of the beveled glass edge.

## 9. WARRANTY INFORMATION

---

This LIFEGARD Aquatics aquarium comes with a **1-year manufacturer's warranty**. For warranty claims or detailed information regarding coverage, please contact the manufacturer directly.

## 10. CUSTOMER SUPPORT

---

For technical assistance, troubleshooting, or inquiries about your LIFEGARD Aquatics product, please visit the official website:

<https://lifegardaquatics.com>

You may also find additional resources and contact information on their website.

