Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

VEVOR FG191-90

VEVOR Aquarium Light User Manual - Model FG191-90

Full Spectrum LED Aquarium Light with LCD Monitor

1. Introduction and Safety Information

Thank you for choosing the VEVOR Aquarium Light. This manual provides important information for the safe and efficient operation of your device. Please read it thoroughly before installation and use, and retain it for future reference.

1.1 General Safety Warnings

- **Electrical Safety:** Always unplug the light from the power outlet before performing any maintenance, cleaning, or when not in use. Do not operate the light with a damaged cord or plug. Ensure your hands are dry when handling the power adapter.
- **Water Exposure:** This product has an IP67 waterproof rating, meaning it is protected against temporary immersion in water. However, it is not designed for continuous submersion. Avoid splashing water directly onto the power adapter or controller.
- **Indoor Use Only:** This aquarium light is designed for indoor use with freshwater aquariums only. Do not use it in saltwater environments or outdoors.
- **Children and Pets:** Keep the device and its components out of reach of children and pets to prevent accidents.
- **Ventilation:** Ensure adequate ventilation around the light fixture to prevent overheating. Do not cover the light with any materials.

1.2 Intended Use

The VEVOR Aquarium Light Model FG191-90 is designed to provide full-spectrum illumination for freshwater aquariums ranging from 36 to 42 inches (91.4 to 106.7 cm) in length. It supports aquatic plant growth and enhances the visual appeal of your aquarium inhabitants through customizable light settings and natural light cycle simulation.

2. Product Overview

2.1 Components

The VEVOR Aquarium Light package includes the following components:

- 1 x Aquarium Light Fixture (Model FG191-90)
- 2 x Extendable Brackets

- 1 x Power Adapter (1.5m cable length)
- 1 x User Manual



Figure 2.1: Overview of the VEVOR Aquarium Light components and dimensions.

2.2 Key Features

- **High-Quality Full Spectrum LED:** Equipped with RGB5050 and 2835 monochrome LED beads, providing bright, uniform, and flicker-free full-spectrum illumination for optimal aquatic life and plant growth.
- **LCD Display Controller:** An integrated LCD screen displays local time and allows for precise adjustments of color, brightness, and RGB ratios.
- **Customizable Lighting:** Offers 7-color nightlight options, automatic color gradient cycles, 10 levels of brightness adjustment, and controllable RGB ratios for tailored lighting environments.
- **24/7 Natural Light Cycle:** Simulate natural light cycles with gradual transitions throughout the day, or set two independent timers for daytime and nighttime lighting.
- **Power-Off Memory Function:** The light automatically resumes its previous settings after a power interruption, ensuring consistent lighting.
- **IP67 Waterproof Rating:** The fully glue-sealed light panel provides superior protection against water splashes and temporary immersion, enhancing durability.
- **Durable Aluminum Alloy Shell:** A 1.2 mm thick aviation-grade aluminum alloy shell ensures efficient heat dissipation and protects the internal components.
- **Adjustable Extendable Brackets:** Two extendable brackets allow for easy installation on aquariums from 36 to 42 inches (91.4 to 106.7 cm), with a maximum single-side extension of 5.5 inches (14 cm) and a total extension of 11 inches (28 cm).



Figure 2.2: Full spectrum light output and LED bead types.



Figure 2.3: LCD display screen for personalized adjustment.

3. Setup

3.1 Unpacking

1. Carefully remove all components from the packaging.
2. Inspect all parts for any signs of damage. If any damage is found, do not proceed with installation and contact customer support.
3. Ensure all listed components in Section 2.1 are present.

3.2 Attaching Extendable Brackets

1. Locate the two extendable brackets.
2. Slide one bracket into each end of the light fixture's mounting slots. The brackets should slide in smoothly.
3. Adjust the brackets to match the width of your aquarium. The brackets can extend up to 5.5 inches (14 cm) on each side, providing a total extension of 11 inches (28 cm).



Figure 3.1: Attaching and adjusting the extendable brackets.

3.3 Placing on Aquarium

1. Carefully place the assembled light fixture with brackets onto the top edges of your aquarium.
2. Ensure the light is centered and stable on the tank. The brackets are designed to fit securely on glass or acrylic tanks, with or without a clear hood/cover.



Figure 3.2: Proper placement of the light on an aquarium.

3.4 Connecting Power

1. Connect the power adapter cable to the input port on the light fixture's controller.
2. Plug the power adapter into a standard electrical outlet.
3. The LCD screen on the controller should illuminate, indicating power is supplied.

4. Operating Instructions

The VEVOR Aquarium Light features an intuitive LCD controller for managing all settings. Familiarize yourself with the buttons:

- **SET:** Enters setting mode and confirms selections.
- **M (Mode):** Cycles through different lighting modes (Day, Night, DIY).
- **Up/Down Arrows (▲ / ▼):** Adjust values or navigate options.
- **Color Button (RGB symbol):** Changes color settings in certain modes.
- **Power Button:** Turns the light on/off.



Figure 4.1: LCD Controller layout.

4.1 Setting Current Time

1. Press the **SET** button once. The hour display will flash.
2. Use the **Up/Down Arrows** to adjust the hour. Press **SET** to confirm.
3. The minute display will flash. Use the **Up/Down Arrows** to adjust the minutes. Press **SET** to confirm and exit time setting.

4.2 24/7 Natural Light Mode

This mode simulates a natural day-night cycle with gradual light transitions.

1. Press the **M** button until '24/7' or a similar indicator appears on the LCD.
2. The light will automatically follow a pre-programmed schedule, gradually increasing brightness in the morning, maintaining peak brightness during the day, and dimming to a nightlight before turning off.



Figure 4.2: 24/7 Natural Light Cycle simulation.

4.3 Setting Day/Night Timers (Custom Mode)

You can set two independent timers for daytime and nighttime lighting.

1. Press the **M** button until 'DAY TIMER' or 'NIGHT TIMER' appears.
2. **For Day Timer:** Press **SET**. The 'ON' hour will flash. Adjust with **Up/Down Arrows**, then press **SET**. Adjust 'ON' minutes, press **SET**. Repeat for 'OFF' hour and minutes.
3. **For Night Timer:** After setting the Day Timer, press **M** again to switch to 'NIGHT TIMER'. Repeat the steps above to set the 'ON' and 'OFF' times for the nightlight.
4. After setting both, the light will operate according to your programmed schedule.

4.4 Adjusting Brightness and Color (DIY Mode)

In DIY mode, you have full control over brightness, color, and RGB ratios.

1. Press the **M** button until 'DIY TIMER' appears.
2. Press **SET** to enter DIY settings. You will see options like L1, L2, L3, L4, L5 (representing different light intensity levels or color channels).
3. Use the **Up/Down Arrows** to select the desired level or channel.
4. Press the **Color Button (RGB symbol)** to cycle through different colors or adjust RGB ratios.
5. Use the **Up/Down Arrows** to adjust the brightness (10 levels available) or intensity of the selected color channel.
6. Press **SET** to confirm each adjustment.
7. To exit DIY mode, press **M**.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your aquarium light.

5.1 Cleaning

1. **Always unplug the light from the power outlet before cleaning.**
2. Use a soft, damp cloth to gently wipe the light fixture and controller.
3. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the surface or electronic components.
4. Ensure the light is completely dry before plugging it back in.

5.2 Storage

If storing the light for an extended period:

- Unplug the light and allow it to cool completely.
- Clean the light as described above.
- Store it in a dry, cool place, away from direct sunlight and extreme temperatures.

6. Troubleshooting

If you encounter issues with your VEVOR Aquarium Light, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Damaged power adapter/cable. Light is turned off via controller.	Check if the power adapter is securely plugged into the outlet and the light fixture. Test the outlet with another device. If cable/adapter is damaged, discontinue use and contact support. Press the power button on the controller.
Light settings are incorrect or not saving.	Incorrect programming. Power interruption (though power-off memory should work).	Review Section 4 (Operating Instructions) and re-program the desired settings. Ensure each setting is confirmed with the SET button.
Light flickers or dims unexpectedly.	Unstable power supply. Internal component issue.	Ensure the power connection is stable. Try plugging into a different outlet. If the problem persists, contact customer support.
Brackets do not fit the aquarium.	Aquarium size outside specified range. Brackets not extended correctly.	Verify your aquarium's length is between 36-42 inches (91.4-106.7 cm). Ensure brackets are fully extended or retracted as needed.

If the problem persists after attempting these solutions, please contact VEVOR customer support for further assistance.

7. Specifications

Detailed technical specifications for the VEVOR Aquarium Light Model FG191-90:

Specification	Value
Model Number	FG191-90
Rated Power	36 W
Suitable Aquarium Size	36 - 42 inches / 91.4 - 106.7 cm
Product Dimensions (retracted)	35.43 x 3.74 x 1.38 inches / 900 x 95 x 35 mm
Net Weight	1.96 lbs / 0.89 kg
Waterproof Rating	IP67
Material	Aluminum
Light Source Type	LED (RGB5050, 2835 monochrome)
Estimated LED Lifespan	Up to 30,000 hours
Power Source	Corded Electric

8. Warranty and Support

VEVOR products are designed for durability and performance. For specific warranty information regarding your FG191-90 Aquarium Light, please refer to the warranty card included in your product packaging or visit the official VEVOR website.
If you require technical assistance, have questions about operation, or need to report a defect, please contact VEVOR customer support. Have your model number (FG191-90) and purchase details ready when contacting support.
VEVOR Official Website: www.vevor.com

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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

Open the live page

https://manuals.plus/asin/B0D5B3BB35

More documents and user manuals: **https://manuals.plus/**