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hygger HG247

hygger HG247 Clip On Aquarium LED Light with Multi-Channel Controller Instruction Manual

Model: HG247

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1. PRODUCT OVERVIEW

The hygger HG247 Clip On Aquarium LED Light with Multi-Channel Controller is designed to provide comprehensive lighting solutions for freshwater aquariums. It features a 24/7 natural mode simulating sunrise, daylight, and moonlight, as well as a customizable DIY mode for time, brightness, and color adjustments. This system supports synchronized control for multiple lights, reducing cable clutter and enhancing aesthetic appeal.

2. WHAT'S IN THE BOX

- hygger Clip On Aquarium LED Light(s) (Model HG247)
- Multi-Channel Controller
- Independent Power Adapter
- 2-way or 3-way cable (depending on package)
- User Manual

3. SETUP AND INSTALLATION

3.1 Attaching the Lights to Your Aquarium

The hygger HG247 LED lights feature a clip-style bracket designed for easy installation on aquarium walls less than 0.9 inches thick. The body of the fish tank light can be installed horizontally or vertically.

1. Attach the clip bracket to the desired position on your aquarium rim.
2. Tighten the screws on the clip bracket to secure it firmly to the tank wall.
3. Slide the LED light panel into the bracket. Ensure it is securely seated.



Image 1: Overview of the hygger LED light system, illustrating the independent power adapter, mode setting controller, 2-way or 3-way cable, and the lights clipped onto aquariums. The image highlights cable lengths: 67.72 inches for the power adapter cable, 1.97 inches for the controller cable, and 50.39 inches for the light cables.



Image 2: A hand demonstrates the horizontal installation of the hygger clip-on aquarium LED light using its sliding clamp mechanism. The light is positioned over an aquarium with aquatic plants and fish.



Image 3: A hand demonstrates the vertical installation of the hygger clip-on aquarium LED light using its reversible clamp mechanism. The light is positioned on the side of an aquarium with aquatic plants and fish.

3.2 Connecting the Controller and Power

1. Connect the 2-way or 3-way cable to the LED light panels.
2. Connect the multi-channel controller to the 2-way or 3-way cable.
3. Plug the independent power adapter into the controller.
4. Plug the power adapter into a suitable power outlet.

Note: The multi-channel feature allows multiple lights to be connected through one controller harness, reducing cable clutter and improving aesthetics, especially for larger or multiple tanks.



Image 4: The hygger LED light system connected to two separate aquariums, demonstrating the multi-channel setup with a single controller managing both lights. This setup is ideal for medium to large landscape fish tanks or multiple small tanks.

4. OPERATING INSTRUCTIONS

4.1 Controller Functions

The controller features several buttons for easy operation:

- **TIMER:** Sets the lighting duration (6h, 10h, or 12h).
- **ON-OFF/M:** Powers the lights on/off and cycles through color options in DIY mode.
- **Up/Down Arrows:** Adjusts brightness levels (5 levels: 10%, 25%, 50%, 70%, 100%).
- **24/7:** Activates the 24/7 Natural Mode.

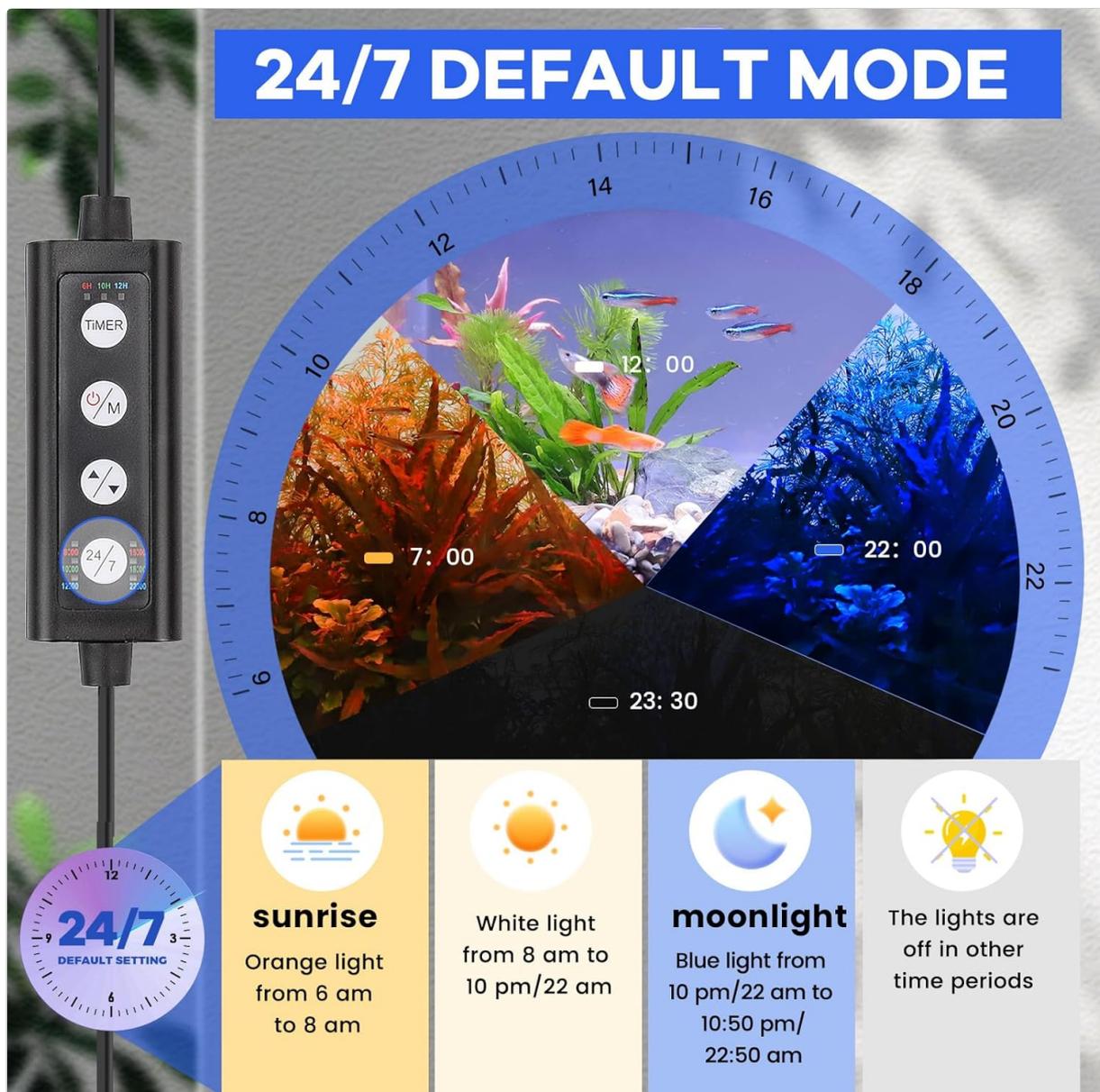


Image 5: Close-up of the hygger LED light controller, showing the TIMER, ON-OFF/M, brightness adjustment arrows, and 24/7 mode buttons. This controller allows for comprehensive customization of the aquarium lighting.

4.2 DEFAULT MODE (24/7 Natural Mode)

This mode simulates a natural 24-hour light cycle, providing a gradual transition of light intensity and color throughout the day:

- **Sunrise (6:00 AM - 8:00 AM):** Gradient orange light.
- **Daylight (8:00 AM - 10:00 PM):** Gradient white light.
- **Moonlight (10:00 PM - 10:50 PM):** Gradient blue light.
- **Off (Other times):** Lights are off.

The overall default time period can be delayed or advanced as needed.



Image 6: A visual representation of the 24/7 natural light cycle, detailing the transition from sunrise (orange light) to daylight (white light), then to moonlight (blue light), and finally off. This mode mimics natural environmental lighting for aquatic life.

4.3 DIY MODE

Customize your lighting experience with the DIY mode:

- **Time (TIMER key):** Choose from 6 hours, 10 hours, or 12 hours.
- **Brightness (Up/Down arrows):** Select from 5 levels of brightness (10%, 25%, 50%, 70%, 100%).
- **Color (ON-OFF/M key):** Cycle through White, Red, Blue, Green, Purple, Orange, Cyan, or a continuous Cycle Color.

The spectrogram is data for a **SINGLE LIGHT.**

Models include 2 lights and 3 lights.



Image 7: This image details the DIY mode settings, showing options for setting the timer (6, 10, or 12 hours), choosing from various colors (Red, Blue, Green, Purple, Orange, Cyan, Cycle Color), and adjusting brightness (10% to 100%).



Image 8: The hygger LED light controller is shown next to an aquarium, highlighting the timer function with options for 6, 10, and 12 hours of continuous lighting. This allows users to set specific durations for their aquarium lights.



Image 9: This image displays the brightness adjustment feature of the hygger LED light controller, showing five distinct levels: 10%, 25%, 50%, 75%, and 100%. The corresponding light intensity is visible in the aquarium background.



Image 10: An aquarium is illuminated by the hygger LED light, showcasing various static color options including White, Red, Blue, and Green. This demonstrates the customizable color features of the light.



Image 11: The hygger LED light illuminates an aquarium, displaying additional color options such as Purple Red, Orange, Cyan, and a dynamic Cycle Color mode. This highlights the extensive color customization available.

4.4 Video Demonstrations

Video 1: This video provides a detailed overview of the hygger Clip On Aquarium LED Light with Multi-Channel Controller, demonstrating its features and functionality in an aquarium setting. It covers various lighting modes and installation aspects.

Video 2: A concise demonstration of the hygger Clip On Aquarium LED Light with Multi-Channel Controller, showcasing its ease of use and various lighting options for aquariums. This video highlights the product's versatility.

5. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	HG247
Power	36W
LED Quantity	3*60PCS (White: 3*29PCS, Blue: 3*11PCS, Red: 3*4PCS, Green: 3*4PCS, RGB: 3*12PCS)
CRI	3*85
Application (for Fish Tank long)	30gal~60gal
Power Cord Length	67.72in + 1.97in + 50.39in
Input Voltage	AC100-240V
Output Voltage	DC20V
Kelvin	White 3*6500K, Blue 3*455nm, Red 3*620nm, Green 3*560nm
Lumens	3*770lm
Material	Aluminum
Clip Bracket Compatibility	Tank walls less than 0.9in thick

36W(THREE LIGHTS)

3*CRI:85+85+85	3*Led QTY:60+60+60PCS
3*Lumens: 770+770+770lm	3*RGB:12+12+12PCS
3*Kelvin: White 6500+6500+6500K	3*White:29+29+29PCS
3*Blue: 455+455+455nm	3*BLUE:11+11+11PCS
3*Red: 620+620+620nm	3*RED:4+4+4PCS
3*Green: 560+560+560nm	3*GREE:4+4+4PCS



Image 12: This image provides a detailed breakdown of the 36W product parameters, including LED quantities, CRI, Kelvin temperatures for different colors, and lumens. It also highlights the use of 2835 and 5050 model lamp beads.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the light panels with a soft, damp cloth to remove dust and water spots. Ensure the light is unplugged before cleaning.
- **Adapter:** The separable adapter design allows for easy replacement if damaged, avoiding the need to replace the entire light unit and reducing waste.
- **Heat Dissipation:** The thickened aluminum body is designed to increase heat dissipation efficiency, contributing to the long service life of the LED beads (at least 50,000 hours).
- **Water Contact:** The light is designed to be splashproof. Avoid submerging the light unit or controller in water.



Image 13: This image demonstrates the splashproof nature of the hygger LED light, with water droplets visible on the surface. It also highlights the RGB LED beads (5050 and 2835 models) used in the light panel.

7. TROUBLESHOOTING

If you encounter any issues with your hygger LED light, please refer to the following general steps:

- **No Power:** Ensure all connections are secure and the power adapter is properly plugged into a working outlet. Check if the power adapter itself is functioning.
- **Lights Not Responding:** Disconnect and reconnect the controller and power adapter. Ensure the controller buttons are pressed firmly.
- **Incorrect Mode/Color:** Cycle through the modes and colors using the controller buttons to reset or select the desired setting.

For persistent issues, please contact hygger customer support.

8. WARRANTY AND SUPPORT

The hygger HG247 Clip On Aquarium LED Light comes with a **2-year manufacturer's warranty**.

For warranty claims, technical support, or any product-related inquiries, please contact hygger customer service through their official channels or the retailer where the product was purchased.