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hygger HG-999

hygger Auto On Off LED Aquarium Light HG-999 Instruction Manual

Model: HG-999 | Brand: hygger

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your hygger Auto On Off LED Aquarium Light, model HG-999. This full-spectrum LED light is designed for freshwater planted tanks, offering a 24/7 lighting cycle with adjustable timer, multiple color options, and IP68 waterproof rating.

The light features WRGB lamp beads scientifically adjusted to simulate natural light, promoting plant growth and enhancing the visual vibrancy of your aquarium. Its optimized design ensures good waterproof performance and efficient heat dissipation.



Image 1.1: hýgger Auto On Off LED Aquarium Light with its wired controller.

2. SAFETY INSTRUCTIONS

- Ensure the power supply voltage matches the product's requirements.
- Do not operate the light if the cord or plug is damaged.
- Always unplug the light before performing any maintenance or cleaning.
- The light unit is IP68 waterproof, but the power adapter and controller are not. Keep them away from water.
- Do not attempt to disassemble or modify the light unit.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x LED light with wired controller
- 1 x AC/DC power adapter
- 2 x Adjustable metal brackets

- 1 x User manual (this document)

4. SETUP

Follow these steps to set up your aquarium light:

1. **Attach Brackets:** Slide the adjustable metal brackets onto both ends of the LED light fixture.
2. **Position Light:** Place the light fixture on top of your aquarium, adjusting the brackets to fit the tank's width (suitable for 30-36 inch tanks). Ensure the light is centered and stable.



Image 4.1: The adjustable metal brackets allow for flexible tank fitting.

3. **Connect Power:** Connect the wired controller to the LED light fixture, then plug the AC/DC power adapter into the controller. Finally, plug the power adapter into a suitable electrical outlet.

5. OPERATING INSTRUCTIONS

The hygger aquarium light features a wired controller with an LCD monitor for easy programming. The controller has six setting buttons:

- **Up/Down Arrows:** Adjust values (time, brightness, color).
- **M (Mode) Button:** Cycles through programming modes (51, 52, 53) and confirms settings.
- **Light Bulb Button:** Manually turns the light on/off or adjusts brightness in manual mode.
- **Color Wheel Button:** Cycles through different colors in manual mode.
- **Gear Button:** Used for setting the current time.



Image 5.1: The wired controller with LCD monitor and control buttons.

5.1. Setting Current Time

1. After plugging in the light, the LCD monitor will display the current time.
2. Press and hold the **Gear Button** for 3 seconds until the hour digit flashes.
3. Use the **Up/Down Arrows** to adjust the hour. Press the **Gear Button** to confirm and move to minutes.
4. Use the **Up/Down Arrows** to adjust the minutes. Press the **Gear Button** to confirm.

5. The current time is now set.

5.2. Programming Auto Modes (Daylight & Moonlight)

This mode provides a preset 24/7 lighting cycle simulating sunrise, daylight, sunset, and moonlight.

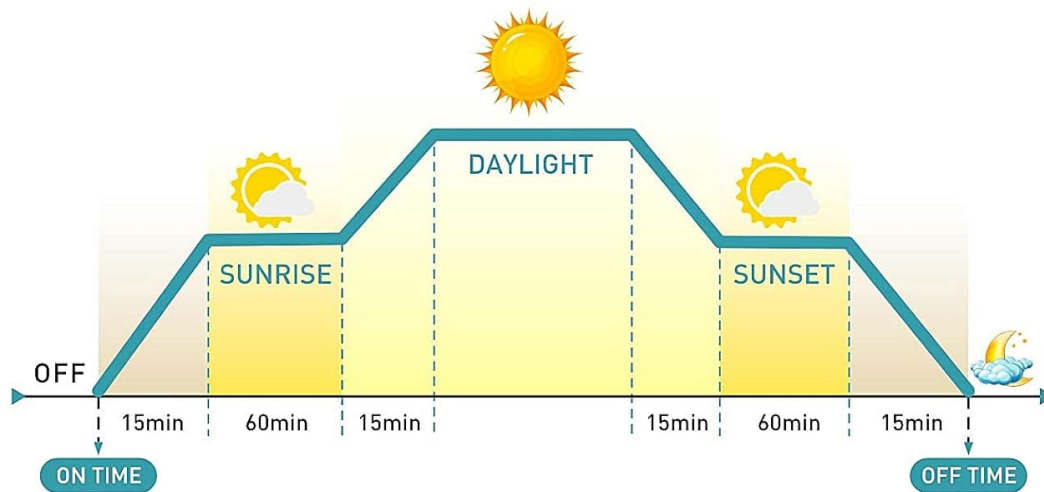
1. Daylight Mode (Mode 51):

- Press the **M (Mode) Button** once until '51' appears on the screen.
- Press and hold the **M Button** for 3 seconds until 'DAY-L ON' flashes.
- Use **Up/Down Arrows** to set the desired daylight ON time (e.g., 8:00). Press **M Button** to confirm.
- Set the desired daylight OFF time (e.g., 18:00). Press **M Button** to confirm.
- Adjust the white light brightness (10%-100%). Press **M Button** to confirm.

2. Moonlight Mode (Mode 52):

- Press the **M (Mode) Button** again until '52' appears on the screen.
- Press and hold the **M Button** for 3 seconds until 'MOON-L ON' flashes.
- Use **Up/Down Arrows** to set the desired moonlight ON time (e.g., 18:00). Press **M Button** to confirm.
- Set the desired moonlight OFF time (e.g., 22:00). Press **M Button** to confirm.
- Select one of the 7 available colors (Red, Orange, Yellow, Green, Cyan, Blue, Purple). Press **M Button** to confirm.
- Adjust the brightness (10%-100%). Press **M Button** to confirm.

DAY MODE--WHITE LIGHT



1

The aquarium light will gradually turn on or off within 15 minutes to avoid frightening the fish.

2

In day mode, you can only select the brightness of white light, cannot choose other colors.

3

The brightness that can be selected is 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%.



Image 5.2: Day Mode cycle with gradual intensity changes.

NIGHT MODE--7 SINGLE COLORED LIGHTING OPTIONS

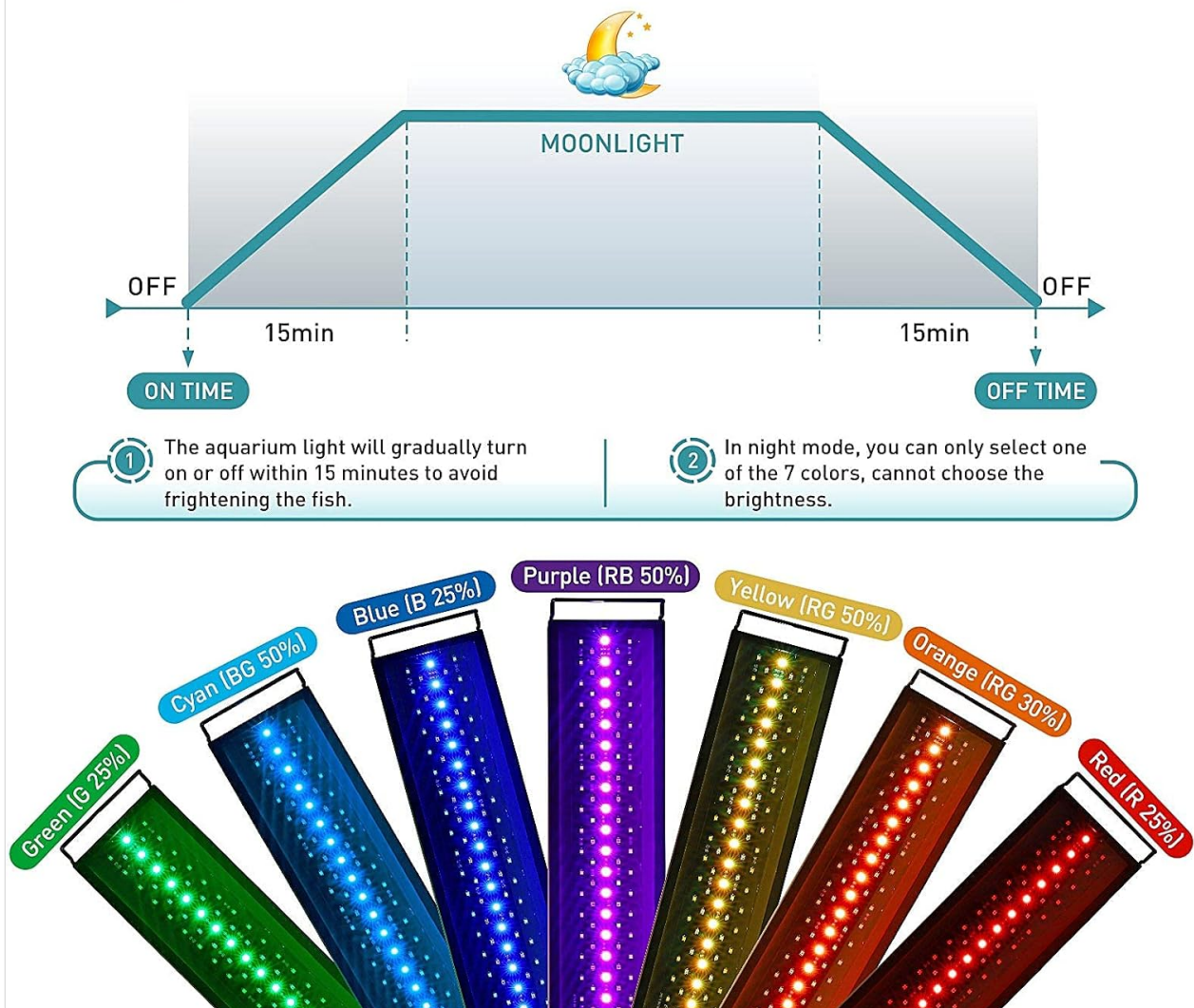


Image 5.3: Night Mode cycle with various color options.

5.3. Programming DIY Mode (Mode 53)

The DIY mode allows for custom programming of 8 time periods over 24 hours, with free combination of start time, end time, light color, and brightness.

1. Press the **M (Mode) Button** until '53' appears on the screen.
2. Press and hold the **M Button** for 3 seconds until 'ON' or 'OFF' flashes for the first time period (L1).
3. Use **Up/Down Arrows** to select 'ON' or 'OFF' for the light. Press **M Button** to confirm.
4. If 'ON' is selected, set the ON time (hour and minute) using **Up/Down Arrows** and confirming with **M Button**.
5. Set the OFF time (hour and minute) using **Up/Down Arrows** and confirming with **M Button**.
6. Adjust the brightness percentage (0-100%) for White (W), Red (R), Green (G), and Blue (B) LEDs individually. Use **Up/Down Arrows** to change values and **M Button** to cycle through W, R, G, B and confirm each.
7. Repeat steps 2-6 for all 8 time periods (L1 to L8).

DIY MODE--LOOP 24 HOUR TIMER PROGRAM

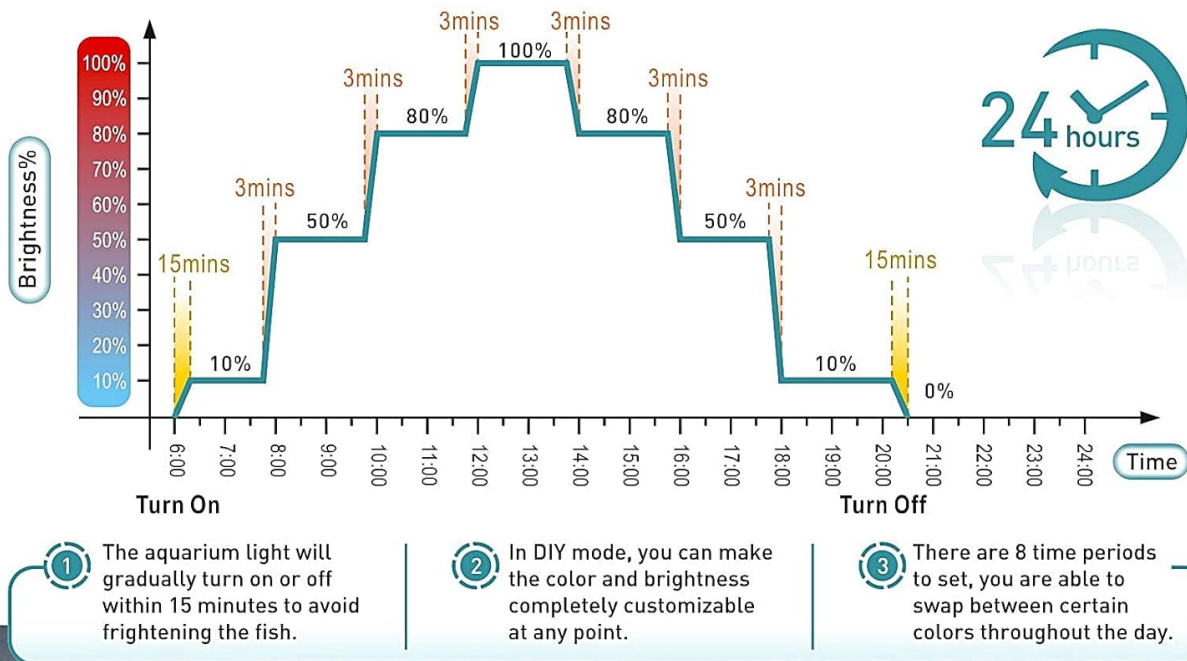


Image 5.4: DIY Mode allows for custom 24-hour light programming.

5.4. Manual Operation

To manually control the light:

- Press the **Light Bulb Button** to turn the light on or off.
- When the light is on, press the **Light Bulb Button** repeatedly to cycle through brightness levels (10% increments).
- Press the **Color Wheel Button** to cycle through different colors (white, red, green, blue, and combinations).

5.5. Video Tutorial: Programming Hygger 24/7 Light

Video 5.1: A detailed tutorial on programming the Hygger 24/7 LED Aquarium Light, including setting time and various modes.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your aquarium light:

- **Cleaning:** Gently wipe the LED light surface with a soft, damp cloth to remove dust or water spots. Do not use abrasive cleaners or solvents.
- **Power Off:** Always unplug the light from the power source before cleaning or performing any

maintenance.

- **Inspection:** Periodically check the power cord and connections for any signs of damage. If damage is found, discontinue use and contact customer support.

7. TROUBLESHOOTING

If you encounter issues with your hygger aquarium light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, or faulty adapter.	Check power outlet, ensure all connections are secure. Test with another outlet.
Timer settings are incorrect or light turns on/off at wrong times.	Current time not set correctly, or auto mode/DIY mode not programmed properly. Power outage may reset clock.	Re-set the current time (Section 5.1). Re-program the desired operating mode (Section 5.2 or 5.3).
Light flickers or changes color unexpectedly.	Loose connection, water ingress into controller, or internal fault.	Check connections. Ensure controller is dry. If problem persists, contact customer support.
Brightness cannot be adjusted.	Operating in a mode that does not allow brightness adjustment (e.g., certain moonlight settings).	Switch to a mode that allows brightness adjustment (e.g., manual mode or DIY mode).

8. SPECIFICATIONS

Feature	Specification
Model	HG-999
Wattage	26 Watts
Voltage	20 Volts
Amperage	0.6 Amps
Brightness	Greater than 1720 Lumen
Color Temperature	6800 Kelvin
Color Rendering Index (CRI)	89
Light Source Type	LED (WRGB)
Waterproof Rating	IP68
Material	Aluminum
Product Dimensions	15.43 x 4.84 x 2.4 inches (Light fixture only)
Adjustable Tank Size	30-36 inches

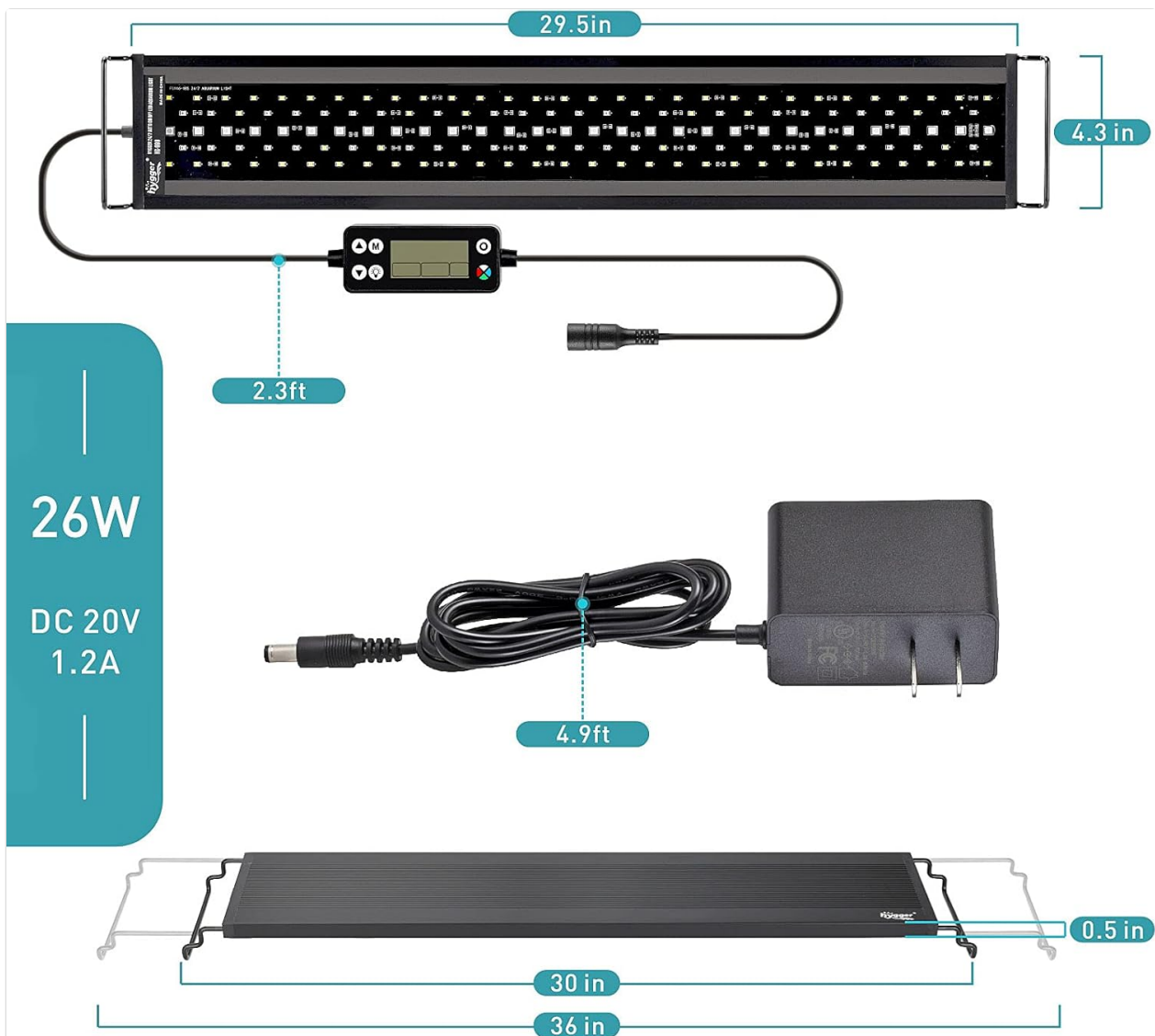



Image 8.1: Detailed dimensions of the light fixture and power components.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided on the product packaging or visit the official hygger website. Keep your purchase receipt for warranty claims.

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Related Documents - HG-999

 <p>HYGGER 24/7 AUTO ON & OFF LED AQUARIUM LIGHT</p> <p><small>Hygger 24/7 auto on/off LED aquarium light is intended for aquariums. Having on years of experience, we are the pioneer of the industry for full spectrum lighting. It's easy to use and to program. Suitable for beginners to experts. It has four modes or customized scenarios to upgrade your aquarium. Please read the manual carefully before using and follow safety in accordance with the manual.</small></p>	<p>Hygger HG-999 LED Aquarium Light User Manual</p> <p>User manual for the Hygger HG-999 24/7 Auto On & Off LED Aquarium Light, detailing product features, technical parameters, important safety instructions, setup procedures for Standard, Day, Night, and DIY modes, installation guidelines, troubleshooting tips, package contents, and disposal information.</p>
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 <small>E-mail: bestmail@hyggeraquarium.com Website: www.hyggeraquarium.com</small>	<p>Hygger HG018 24/7 Aquarium Clip-On Light User Manual</p> <p>Comprehensive user manual for the Hygger HG018 clip-on aquarium light, detailing features, specifications, installation, operation, and safety precautions for planted and freshwater aquariums.</p>
	<p>Hygger HG-999 LED Aquarium Light User Manual</p> <p>User manual for the Hygger HG-999 24/7 Auto On & Off LED Aquarium Light, detailing product features, specifications, safety instructions, mode settings, installation, and troubleshooting.</p>
	<p>Hygger HG-005 Full Spectrum Submersible Plant Light User Manual</p> <p>User manual for the Hygger HG-005 Full Spectrum Submersible Hidden Plant Light, detailing product features, specifications, application methods, and safety precautions for aquarium use.</p>
 <small>E-mail: bestmail@hyggeraquarium.com Website: www.hyggeraquarium.com</small>	<p>Hygger HG-906 Horizon Aquarium Kit User Manual</p> <p>User manual for the Hygger HG-906 Horizon Aquarium Kit, detailing product features, package contents, setup guide, tips for successful aquarium keeping, safety warnings, and warranty information.</p>
	<p>Hygger 009 Aquarium Internal Power Filter User Manual</p> <p>Comprehensive user manual for the Hygger 009 internal power filter, covering features, technical specifications, installation, operation, and maintenance for freshwater and saltwater aquariums.</p>