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hygger HG160

Hygger 24W LED Aquarium Light User Manual (Model HG160)

Model: HG160

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Hygger 24W LED Aquarium Light. Designed for 18-24 inch freshwater fish tanks, this light offers full spectrum illumination, 24/7 and DIY modes, an LCD timer, adjustable brightness, and a memory function to enhance your aquatic environment.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before use.
- Ensure the power supply voltage matches the product's requirements.
- Do not operate the light if the cord or plug is damaged.
- Keep the light and power adapter away from water. This product is IP68 waterproof, but the power adapter is not.
- Always unplug the light before performing any maintenance or cleaning.
- Do not attempt to repair the light yourself. Contact qualified service personnel.
- This product is for indoor use only.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- LED Aquarium Light
- LCD Display Controller
- Extendable Brackets
- Power Adapter
- User Manual

4. PRODUCT FEATURES

- **Heavy-duty Design:** Crafted with a premium aluminum alloy shell for exceptional heat dissipation. Silicone-sealed lens provides IP68 waterproof protection. Includes an LCD remote and extendable brackets for secure fit on 18-24 inch aquariums.
- **High Quality LED:** Features 5050 RGB and 2835 LED array (90 total LEDs: 56 White, 4 Red, 8 Blue, 4 Green, 18 RGB). Delivers 756 lumens, CRI > 90, and a color temperature of 14207K.
- **DIY Mode:** Allows setting timing, choosing from 8 colors (White, Blue, Red, Green, Yellow, Azure, Orange, Purple), and adjusting 10 brightness levels (10%–100%).
- **24/7 Default Mode:** Hands-free natural cycle, automatically transitioning through dawn, daylight, dusk, and moonlight phases from 6:00 AM to 11:00 PM.
- **Smart Memory & Reliable Operation:** Intelligent power recovery restores previous settings after a power outage. If no adjustment is made within 5 minutes of reboot, the system seamlessly resumes the 24/7 automatic cycle.

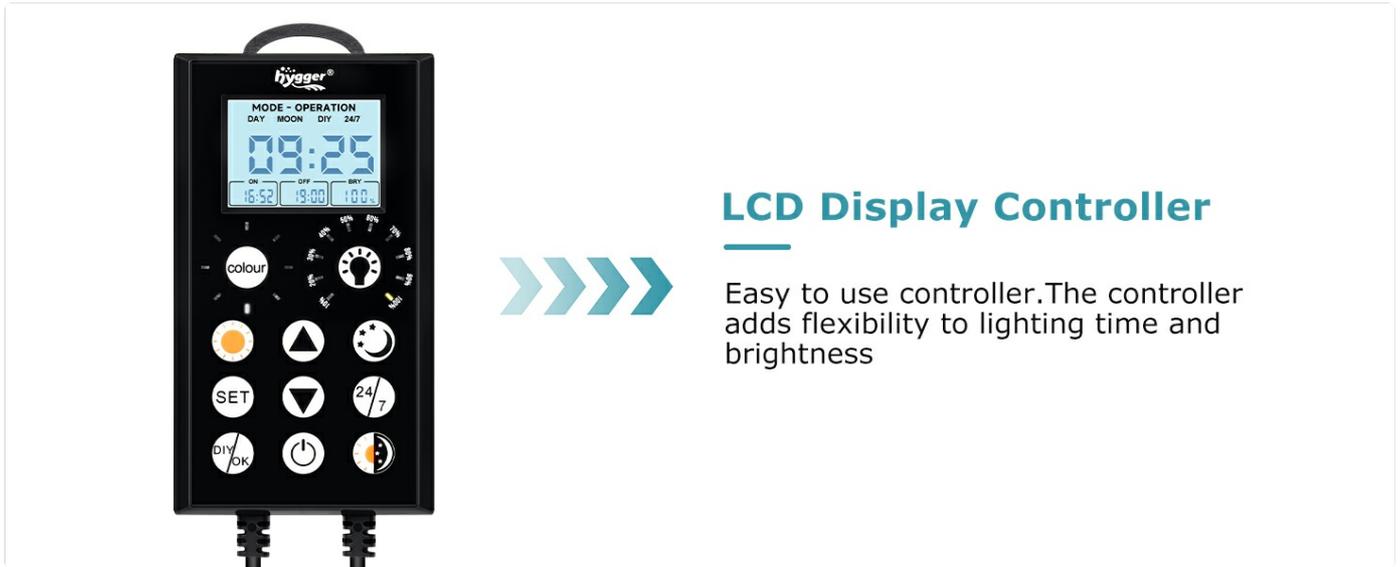


Image: Key components of the Hygger LED Aquarium Light, including the LCD controller, LED arrays, aluminum housing, fin-type heat dissipation, extendable brackets, and IP68 waterproof design.

5. SETUP

5.1 Attaching the Brackets

1. Carefully unpack all components from the box.
2. Attach the extendable brackets to both ends of the LED light fixture. Ensure they are securely fastened.
3. Place the light fixture on top of your aquarium, adjusting the extendable brackets to fit the tank's width (18-24 inches).



High Quality Aluminum Alloy Material

Built in smooth metal aluminum shell, easy to clean; Top fin texture design for efficient heat dissipation

Image: Illustration of how to attach and adjust the extendable brackets to the aquarium light fixture for a secure fit on various tank sizes.

5.2 Connecting the Controller and Power

1. Connect the LED light fixture cable to the LCD display controller.
2. Connect the power adapter to the LCD display controller.
3. Plug the power adapter into a suitable electrical outlet.

— Multiple Color & Adjustable Brightness —

Brightness

High Full Spectrum & High Rendering Index

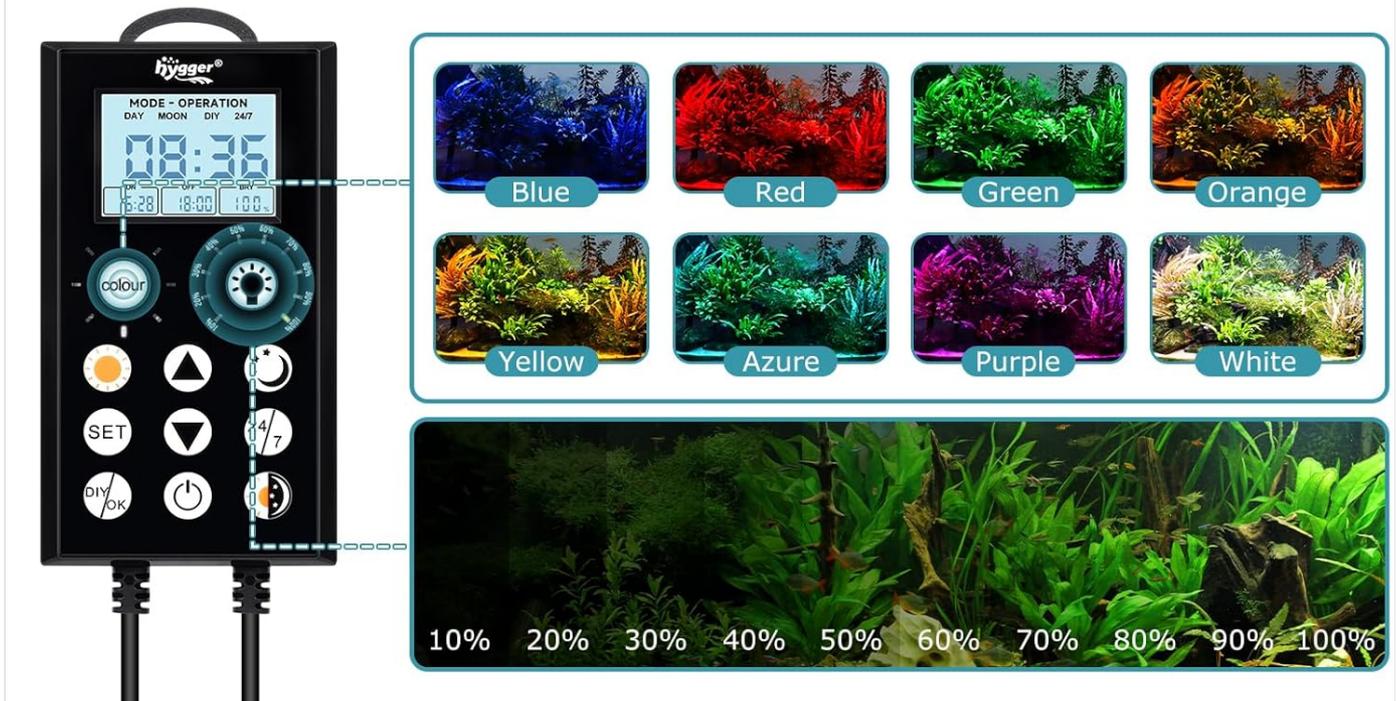
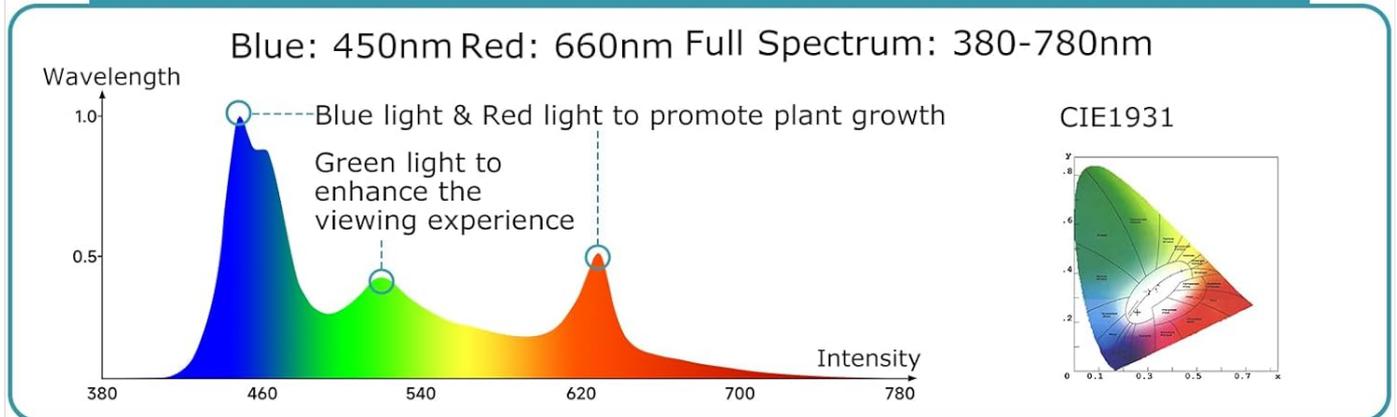


Image: A detailed diagram of the LCD controller, labeling buttons for local time, start time, end time, brightness display, color, day mode, night mode, 24/7 mode, daylight+nightlight mode, setting, DIY/OK, and power on/off.

6. OPERATING INSTRUCTIONS

The Hygger LED Aquarium Light features an intuitive LCD controller for easy programming of various lighting modes.

6.1 Controller Overview

- **Local Time:** Displays current time.
- **Start Time:** Sets the start time for a mode.
- **End Time:** Sets the end time for a mode.
- **Brightness Display:** Shows current brightness level.
- **Brightness Adjustment:** Buttons to increase/decrease brightness.
- **Color Button:** Cycles through 8 available colors.
- **SET Button:** Enters settings, confirms selections, or saves settings (long press).

- **DIY/OK Button:** Enters DIY mode, confirms settings in DIY mode.
- **Day Mode Button:** Activates constant daylight mode.
- **Night Mode Button:** Activates constant moonlight mode.
- **24/7 Mode Button:** Activates the automatic 24/7 cycle.
- **Daylight + Nightlight Mode Button:** Switches between combined day and night modes.
- **Power On/Off Button:** Turns the light on or off.

6.2 Setting the Night Light Mode

This section explains how to set the night light mode, with or without a timer.

Your browser does not support the video tag.

Video: Demonstrates how to set the night light mode on the Hygger LED Aquarium Light controller, including adjusting color and brightness, and setting a timer for the night mode.

Without Timer:

1. Short press the Night Light button.
2. Long press the SET button for 3 seconds to enter settings.
3. Short press the Color button to switch colors, then short press SET to confirm.
4. Short press the Brightness button to adjust brightness, then long press SET for 3 seconds to save.

With Timer:

1. Press and hold the Night Light button for 3 seconds, then press and hold the SET button for 3 seconds to enter timer settings.
2. Briefly press the ▲/▼ buttons to set the start time (press SET to switch between hours and minutes), then briefly press SET to confirm.
3. Briefly press the Brightness button to adjust the brightness, then briefly press the SET button.
4. Briefly press the ▲/▼ buttons to set the end time (press SET to switch between hours and minutes), then briefly press SET to confirm.
5. Press and hold the SET button for 3 seconds to save the settings.

6.3 Setting the Day Light Mode

This section explains how to set the day light mode, with or without a timer. The white light is full-spectrum, and only its brightness can be adjusted.

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Video: Instructions on how to set the daylight mode for the Hygger LED Aquarium Light, covering brightness adjustments and timer settings for the white light.

Without Timer:

1. Short press the Day Light button.
2. Long press the SET button for 3 seconds to enter settings.
3. Adjust the desired brightness using the brightness buttons.
4. Long press the SET button for 3 seconds to save.

With Timer:

1. Press and hold the Day Light button for 3 seconds, then press and hold the SET button for 3 seconds to enter timer settings.

2. Set the start time: Adjust the [hours] using the ▲/▼ buttons. Briefly press the SET button to switch to adjusting the [minutes]. Adjust the [minutes] using the ▲/▼ buttons. Briefly press the SET button to confirm.
3. Set the brightness: Briefly press the brightness button to adjust to the desired brightness. Briefly press the SET button to confirm.
4. Set the end time: Adjust the [hours] using the ▲/▼ buttons. Briefly press the SET button to switch to adjusting the [minutes]. Adjust the [minutes] using the ▲/▼ buttons. Briefly press the SET button to confirm.
5. Save and exit: Press and hold the SET button for 3 seconds to save all settings and exit.

6.4 Setting the Day + Night Light Mode

This mode combines both white full-spectrum light and blue night light. The night light automatically activates when the white light turns off, requiring no further settings for the night light portion.

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Video: Guide on setting the combined day and night light mode, demonstrating how the white light transitions to blue night light automatically.

1. Briefly press the White + Night Light button.
2. Long-press the SET button for 3 seconds to enter the settings.
3. Briefly press the ▲/▼ buttons to set the white light start time (press SET to switch between hours/minutes), then press SET to confirm.
4. Adjust the brightness, then briefly press the SET button to confirm.
5. Adjust the night light brightness, then briefly press the SET button to confirm.
6. Briefly press the ▲/▼ buttons to set the night light end time (press SET to switch between hours/minutes), then long-press the SET button for 3 seconds to save.

6.5 DIY Mode Setup

The DIY mode allows for custom programming of up to 5 segments (L1-L5) with different colors, brightness levels, and durations.

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Video: A comprehensive guide to setting up the DIY mode, demonstrating how to customize start times, colors, brightness, and end times for each of the five segments (L1-L5).

1. Press and hold the DIY/OK button for 3 seconds, then press and hold the SET button for 3 seconds to enter DIY mode.
2. Set each segment (L1-L5) in sequence:
 - Press ▲/▼ to set the start time (SET to switch between hours/minutes), press SET to confirm.
 - Select color (briefly press the color button, press SET to confirm).
 - Adjust brightness (briefly press the brightness button, press SET to confirm).
 - Briefly press ▲/▼ to set the end time for L1, press DIY/OK to proceed to the next segment.
3. After setting L5, briefly press the DIY/OK button to save all settings.

8 Color + 10 Brightness



Image: A visual representation of the DIY 5 Stages Mode, showing how different light colors and intensities can be programmed over a period to simulate natural light changes.

6.6 24/7 Default Mode

This mode simulates a natural 24-hour sunrise and sunset pattern, providing a hands-free natural cycle for your aquarium.

1. Press the 24/7 Mode button once to activate.
2. The light will automatically turn on at 6:00 AM and off at 11:00 PM, transitioning through dawn, daylight, dusk, and moonlight phases.
3. To adjust the local time, long press the SET button for 3 seconds, then use ▲/▼ to adjust hours/minutes and SET to confirm.

DIY Mode(L1-L5)

Adjust Color
Set according to the color you want

Adjust Time Manually
Set the starting hour and minute for your needs



Adjust Brightness Freely

Set the luminance for the growth needs of your fish (10 Intensity Levels For Your Tastes)

Operational Procedure

Setting order



Image: A graph illustrating the 24/7 mode's light intensity changes throughout the day, simulating sunrise, daylight, sunset, and moonlight phases.

6.7 Memory Function

The light features intelligent power recovery. In case of a power outage, it automatically restores all previous settings. You may need to reset the local time. If no adjustment is made within 5 minutes of reboot, the system seamlessly resumes the 24/7 automatic cycle.

— DIY 5 STAGES MODE —

Set the color, brightness, and duration for each stage according to your own preferences.

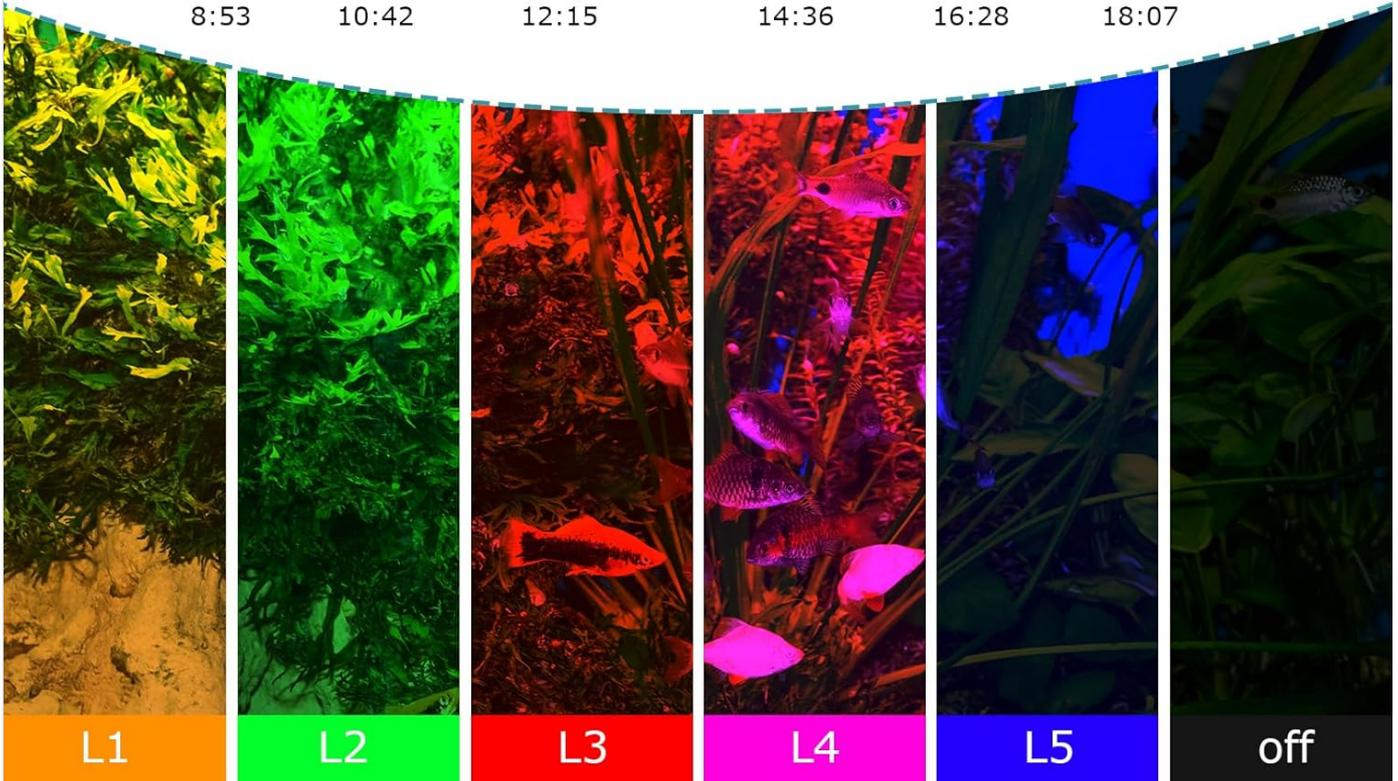
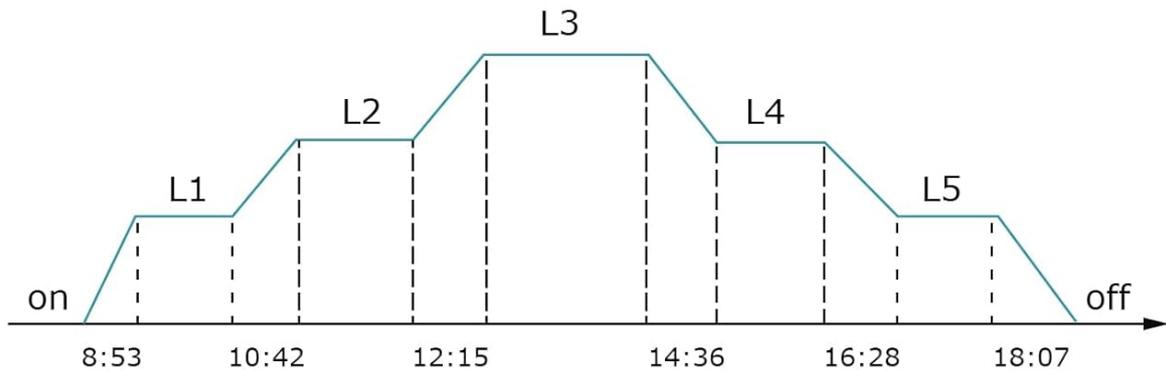


Image: Visual representation of the memory function, showing how the light returns to its previous settings after a power interruption, including blackout, day mode, and night mode states.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the light fixture with a soft, damp cloth to remove dust and water spots. Ensure the light is unplugged before cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the power cord and connections for any signs of damage. If any damage is found, discontinue use and contact customer support.
- **Water Contact:** While the light fixture is IP68 waterproof, avoid submerging the power adapter or controller in water.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on.	Power not connected, faulty outlet, damaged power adapter.	Check power connections. Test outlet with another device. Inspect power adapter for damage.
Light settings are lost after power outage.	Local time needs to be reset.	Reset the local time on the controller. The light should resume previous mode after 5 minutes if no other settings are changed.
Light is not bright enough.	Brightness level is set too low.	Increase the brightness level using the controller.
Colors are not changing in DIY mode.	Incorrect DIY mode programming.	Review the DIY mode setup instructions carefully and re-program the segments.

9. SPECIFICATIONS



Image: A table detailing product specifications for various wattage models, including power, LED quantity, length size, lumens, color temperature, applications, and CRI.

Feature	Detail
Model Name	Aquarium Light (HG160)
Wattage	24 watts
Product Dimensions	16.8"D x 4.3"W x 0.5"H (16.73 x 4.33 x 0.51 inches)
Item Weight	1.7 Pounds
Light Source Type	LED (90 total: 56 White, 4 Red, 8 Blue, 4 Green, 18 RGB)
Light Output Maximum	756 Lumens
Color Temperature	14207K
Color Rendering Index (CRI)	> 90

Feature	Detail
Voltage	100 Volts (AC)
Material	Metal (Aluminum Alloy)
Waterproof Rating	IP68 (light fixture only)
Recommended Tank Size	18-24 inch fish tank

10. WARRANTY AND SUPPORT

This Hygger LED Aquarium Light comes with a **2-year manufacturer warranty**.

For technical support, troubleshooting, or warranty claims, please contact Hygger customer service through their official website or the retailer where the product was purchased.

