

SEAOURA SR-653

SEAOURA SR-653 LED Aquarium Light Instruction Manual

Model: SR-653

Brand: SEAOURA

1. INTRODUCTION

The SEAOURA SR-653 LED Aquarium Light is designed for freshwater tanks, providing a full spectrum of light to promote healthy plant growth and enhance the vibrant colors of your aquatic environment. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your aquarium light.

2. PACKAGE CONTENTS

- Aquarium Light Unit
- Extendable Mounting Brackets
- Power Adapter Cable
- User Manual

3. SETUP INSTRUCTIONS

Follow these steps to properly install your SEAOURA SR-653 LED Aquarium Light:

1. **Attach Mounting Brackets:** Insert the adjustable taller brackets into the designated slots on both ends of the light unit. Ensure they are securely fastened.
2. **Position the Light:** Place the light unit on top of your aquarium, adjusting the extendable brackets to fit your tank's width (suitable for 30-45cm tanks). The taller design ensures even light coverage and allows room for feeding.

3. **Connect Power:** Plug the power adapter cable into the light unit and then into a suitable power outlet.

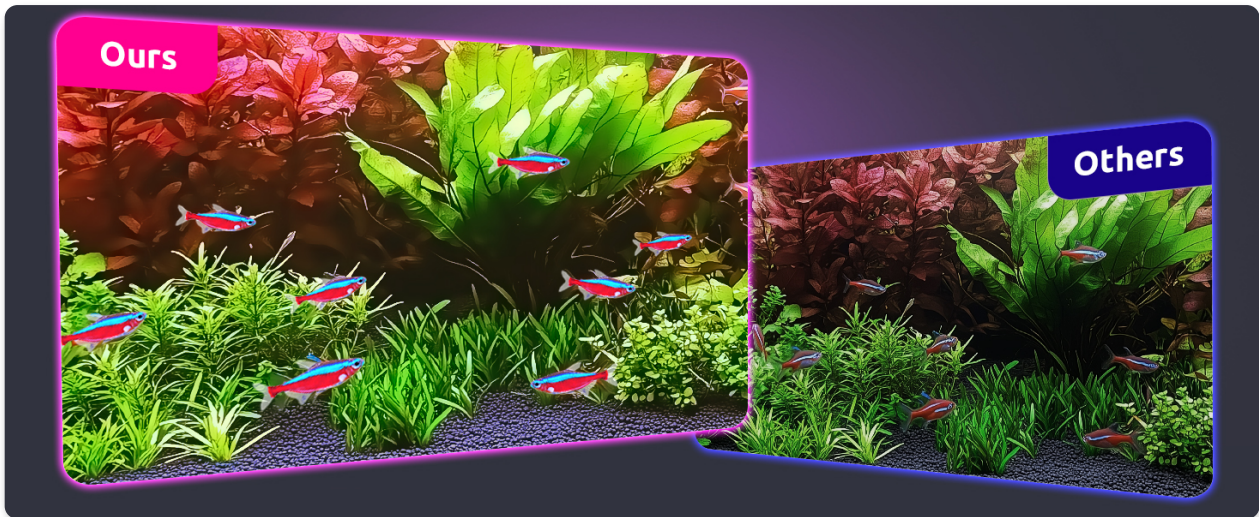


Image: SEAOURA SR-653 LED Aquarium Light with adjustable brackets on a freshwater tank. The adjustable brackets allow for secure mounting and proper positioning over various tank sizes, ensuring optimal light distribution.

4. OPERATING INSTRUCTIONS

4.1 Smart Timer & Auto On/Off

The SR-653 features a smart timer with 3 preset options (6H/8H/12H) and an auto on/off function. A 15-minute brightness gradient is applied between modes to prevent sudden changes, keeping tank inhabitants calm.

1. **Select Timer:** Press the timer button on the controller to cycle through 6H, 8H, or 12H options. The light will automatically turn on and off according to the selected duration.
2. **Brightness Gradient:** The light will gradually fade in and out over 15 minutes at the start and end of each timed cycle.



Image: Controller with 3 Timer Options and 15-minute Gradient. This image illustrates the controller with options for 6H, 8H, and 12H timers, showing the gradual fade-in/fade-out brightness curve over 15 minutes.

4.2 WRB 3-Channel Customization & Brightness Adjustment

The light features WRB (White, Red, Blue) 3-channel control, allowing for tailored lighting. You can choose from 11 preset colors and adjust brightness across 10 levels.

1. **Select Preset Color:** Press the color button on the controller to cycle through 11 preset color options.
2. **Adjust Brightness:** Use the '+' and '-' buttons to adjust the overall brightness from 10% to 100% across

10 levels.

3. **DIY WRB Mix Ratio:** For advanced customization, hold the 'M' button for 3 seconds to enter DIY mode. Use the individual W, R, and B channel buttons and '+'/'-' to set specific brightness levels for each color channel.



Image: 10 Preset Light Options and Cycle for Aquarium Light. This image displays various preset light options (L1-L10) and a color cycle mode (L11), showing different color combinations in an aquarium.

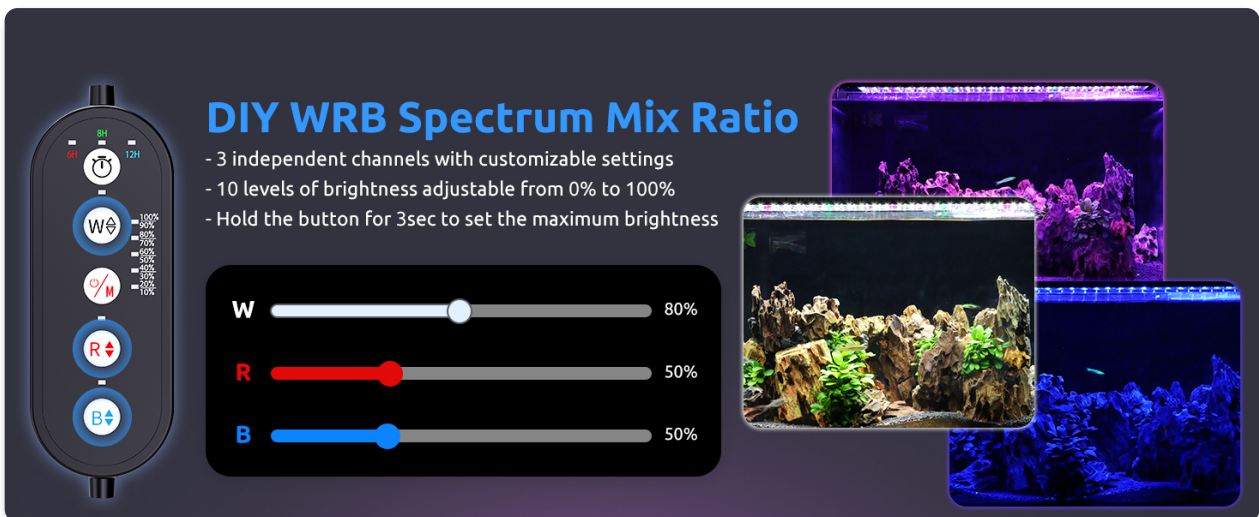


Image: DIY WRB Spectrum Mix Ratio for Aquarium Light. This image illustrates the controller's interface for customizing White, Red, and Blue LED brightness levels independently, allowing users to create their desired light spectrum.

4.3 Full Spectrum for Plant Growth

The SR-653 utilizes high-quality 2835 LED chips (White: 42pcs, Red: 12pcs, Blue: 12pcs, Green: 3pcs, Pink: 3pcs) to provide a full spectrum optimized for freshwater plant growth. It offers high PAR output and balanced red/blue wavelengths.



Image: Full Spectrum LED Light for Aquarium Plant Growth. This image highlights the full spectrum capabilities of the LED light, showing the distribution of different colored LED chips and a spectral graph for optimal plant photosynthesis.

4.4 24/7 Natural Mode Setup (SR-659 Example)

While the SR-653 has preset timers, other SEAOURA models like the SR-659 offer a 24/7 natural mode. The following video demonstrates how to set up a natural mode cycle, which may be similar in principle for advanced programming on compatible models.

Video: SR-659 Setup - S2 Natural Mode. This video demonstrates the step-by-step process of setting up the S2 Natural Mode on a SEAOURA SR-659 aquarium light, including setting start/end times and light colors for different stages like sunrise, daylight, sunset, and moonlight.

4.5 Temperature Monitor & Alarm Setup (SR-659 Example)

Some SEAOURA models, such as the SR-659, include a temperature monitor and alarm function. This video illustrates how to set up and test the temperature alarm, which can be a useful feature for maintaining stable aquarium conditions.

Video: SR-659 Setup - Temp Monitor & Alarm. This video guides users through setting up the temperature monitor and alarm on a SEAOURA SR-659 light, including switching between Celsius/Fahrenheit, setting high/low temperature thresholds, and testing the alarm function.

5. MAINTENANCE

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

- **Cleaning:** Gently wipe the light's surface and LED cover with a soft, damp cloth to remove dust, water spots, or algae. Do not use harsh chemicals or abrasive materials.
- **Water Resistance:** The light is built with ABS housing for efficient heat dissipation and stable performance. The LED chips are sealed to protect against moisture. However, avoid submerging the

entire unit unless explicitly stated as fully submersible.

- **Cable Inspection:** Periodically check the power cable for any signs of damage or fraying. Replace immediately if damage is found.

6. TROUBLESHOOTING

If you encounter any issues, refer to the following common troubleshooting tips:

- **Light Not Turning On:** Ensure the power adapter is securely plugged into both the light unit and the power outlet. Check if the outlet is functional.
- **Timer Malfunction:** Verify that the correct timer duration (6H/8H/12H) is selected. If using a 24/7 mode on compatible models, ensure it is properly programmed.
- **Inconsistent Brightness/Color:** Check the brightness and color settings on the controller. If in DIY mode, ensure individual channel settings are as desired.
- **Power Outage Memory:** The light is designed with power-off memory to retain settings after a power interruption. If settings are lost, re-program the desired schedule.

7. SPECIFICATIONS

Feature	Detail
Model Number	SR-653
Product Dimensions	28.1 x 8.5 x 1.34 cm; 560 g
Power Source	Corded Electric
Maximum Compatible Light Source Wattage	12 Watts
Light Source Type	Light Emitting Diode (LED)
Number of Light Sources	72
LED Chip Configuration	White: 42pcs, Red: 12pcs, Blue: 12pcs, Green: 3pcs, Pink: 3pcs
Color Temperature	7800 Kelvin
Color Rendering Index (CRI)	89
Mounting Type	Adjustable Bracket Mount
Material	Acrylonitrile Butadiene Styrene (ABS)
Special Features	10 Level Dimmable, 10 Preset Light + Cycle, 6H/8H/12H Timer, WRB 3-Channel Customizable
Specification Met	CE, RoHS

8. WARRANTY AND SUPPORT

The SEAOURA SR-653 LED Aquarium Light comes with a **1-year manufacturer warranty**. For any product inquiries, technical support, or warranty claims, please contact Feidele Trading Co., Ltd. or refer to the contact

information provided with your purchase.