NICREW N28785

NICREW RGB+W 24/7 LED Aquarium Light Instruction Manual

Model: N28785

Overview   **Setup**   **Operation**   **Maintenance**   **Troubleshooting**   **Specifications**   **Warranty & Support**

1. PRODUCT OVERVIEW

The NICREW RGB+W 24/7 LED Aquarium Light is designed to provide comprehensive and customizable lighting for planted freshwater aquariums. Featuring a full spectrum output, it supports plant growth from low to high light levels and enhances the vibrant colors of your fish and aquatic environment. The light includes an integrated controller and a remote for easy programming of daily light cycles and special effects.

Key Features:

- **Full Spectrum RGB+W LEDs:** Combines cool white (6500K) with RGB LEDs for a customizable spectrum, ideal for freshwater plants and fish.

- **Programmable 24/7 Lighting Cycle:** Features five adjustable time periods to simulate natural sunrise, daylight, sunset, and moonlight phases over 24 hours.

- **Adjustable Color Spectrum:** Fine-tune individual RGB and white LED channels to create desired lighting effects.

- **Multiple Preset Modes:** Includes five built-in lighting modes and four weather modes (cloudy, lightning, sunny, moonlight) to simulate natural conditions.

- **Power-Off Memory Function:** Retains programmed settings after a power interruption, requiring only current time adjustment.

- **Extendable Brackets:** Designed with adjustable brackets to fit various aquarium sizes (36-48 inches for this model).

- **Durable and Waterproof Design:** IP67 waterproof rating protects the light from water and humidity intrusion. Features an aluminum shell for efficient heat dissipation.

2. SETUP AND INSTALLATION

2.1. Unboxing and Components

Carefully remove all components from the packaging. Ensure the following items are present:

- NICREW RGB+W 24/7 LED Aquarium Light fixture
- Inline Controller with LCD display
- Infrared (IR) Remote Control
- Power Adapter
- Extendable Mounting Brackets (2 sets, one stepped, one straight)
- Instruction Manual

Image: The main components of the NICREW RGB+W 24/7 LED Aquarium Light, including the light fixture, inline controller, and remote control.

2.2. Attaching Mounting Brackets

The light comes with two types of extendable brackets to accommodate different aquarium rim styles and desired light heights. Choose the set that best suits your tank.

1. Slide the brackets into the slots on each end of the light fixture.
2. Extend the brackets to match the width of your aquarium.
3. Carefully place the light fixture onto the rim of your aquarium, ensuring it is stable and centered.

Image: The light fixture with extendable brackets attached, demonstrating its placement on an aquarium rim.

2.3. Power Connection

Connect the inline controller to the light fixture, then connect the power adapter to the inline controller. Finally, plug the power adapter into a suitable electrical outlet. Ensure all connections are secure.

Important Safety Note:

- Always ensure your hands are dry before handling electrical components.
- Position the power adapter and controller in a drip loop to prevent water from traveling along the cord to the electrical outlet.
- While the light fixture itself has an IP67 waterproof rating, the power adapter and inline controller are not waterproof and should be kept away from water.

3. OPERATING INSTRUCTIONS

The NICREW RGB+W 24/7 LED Aquarium Light offers various modes and customization options via its inline controller and remote control.

3.1. Setting Current Time

Before using the 24/7 mode, set the current time on the inline controller:

1. Ensure the controller is in 24/7 mode (indicated by "24/7" on the remote or a specific display on the inline controller).
2. Press the **TIME** button on the remote or the corresponding button on the inline controller. The display will show the current time.

3. Use the **H+/H-** and **M+/M-** buttons to adjust the hour and minute.
4. Press the **SAVE** button (often the same as **TIME** or a dedicated button) to save the settings.

Remote Control

Comes with an infrared remote control for complete command of programing, memory slots, and weather modes.

Image: The remote control for the aquarium light, showing various buttons for time, modes, and color adjustments.

3.2. 24/7 Lighting Cycle (Circadian Timer)

The 24/7 mode simulates a natural day-night cycle with gradual changes in light intensity and color. It features five programmable lighting phases (P1-P5).

Image: A visual representation of the 24/7 lighting cycle, showing how light intensity and color change throughout the day.

To program each lighting phase:

1. Press the desired phase button (**P1** to **P5**) briefly. The LCD display will flash.
2. Use the **H+/H-** and **M+/M-** buttons to set the start time for that phase.
3. Use the color buttons (**W, R, G, B**) and their respective up/down arrows to adjust the intensity of each color channel for that phase.
4. Press the phase button again to save the settings and move to the next phase, or press **SAVE** to exit programming.

The light also includes 3 sunrise and sunset ramp times (0/15/30 minutes) for smoother transitions between phases.

3.3. Preset Lighting Modes

The remote control offers 5 preset lighting modes (M1-M4, plus a general white mode) and 4 weather modes for quick selection:

- **Preset Modes (M1-M4):** These buttons allow you to store and recall up to four custom color combinations. To save a custom color, adjust the RGB+W channels as desired, then hold down an **M** button (M1-M4) for 3 seconds until the light blinks.
- **Weather Modes:**

    - **Cloudy:** Simulates an overcast day.
    - **Lightning:** Creates a dynamic lightning storm effect.
    - **Sunny:** Provides bright, full-spectrum daylight.
    - **Moonlight:** Offers a soft, blue light for nighttime viewing.

FOUR WEATHER EFFECTS

Preset four weather modes, from cloudy, lightning mode to day and night mode. You can choose any mode according to your preferences.

Reconstruct the seasonal weather system from the world's great natural fish habitats.

Image: Examples of the four weather modes available, simulating various natural lighting conditions.

3.4. Adjusting Color Spectrum

You can manually adjust the intensity of the white, red, green, and blue LEDs to create a custom color spectrum:

1. Press the **W, R, G,** or **B** button to select the desired color channel.
2. Use the up/down arrow buttons to increase or decrease the brightness intensity of that channel by 10% with each press.
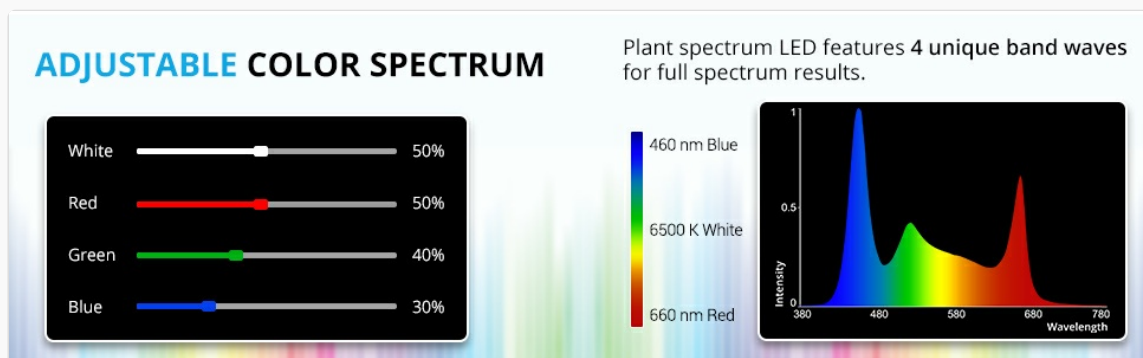

Image: Controls for fine-tuning the individual color channels (White, Red, Green, Blue) to achieve a custom light spectrum.

3.5. Product Video Guide

For a visual guide on unboxing, setup, and programming the light, please refer to the official product video below:

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Video: Official NICREW guide demonstrating the unboxing, installation, and programming of the RGB+W 24/7 LED Aquarium Light using the remote controller.

4. MAINTENANCE

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

4.1. Cleaning the Light Fixture

- Before cleaning, always unplug the light fixture from the power outlet.
- Wipe the exterior of the light fixture with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish or the LED cover.
- Ensure the light is completely dry before plugging it back in.
- The IP67 waterproof rating means the light is protected against dust and temporary immersion in water (up to 1 meter for 30 minutes). However, for longevity, avoid unnecessary immersion and always handle with care.

4.2. Controller and Remote Care

- Keep the inline controller and remote control dry at all times. They are not waterproof.
- Clean with a dry, soft cloth.
- Replace the remote control battery as needed (1 Lithium Ion battery included).
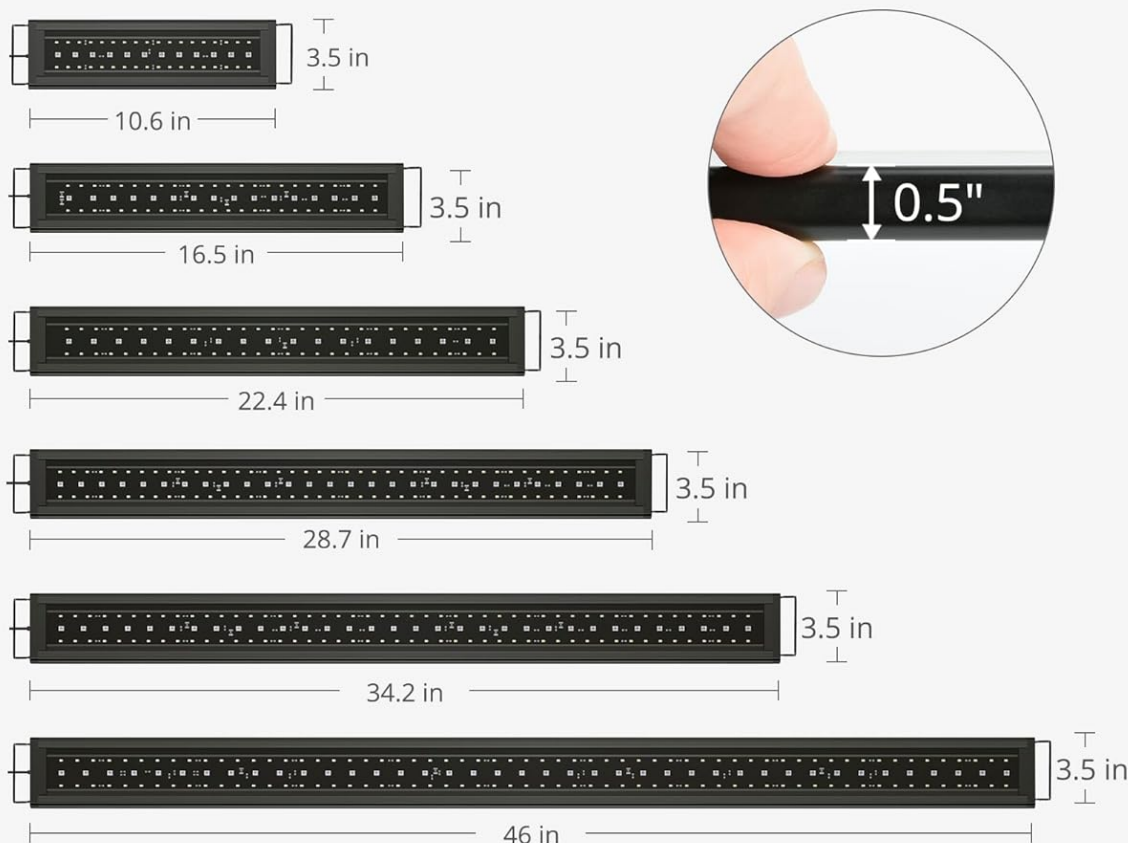
5. TROUBLESHOOTING

If you encounter issues with your NICREW RGB+W 24/7 LED Aquarium Light, refer to the following common solutions:

- **Light does not turn on:**

  - Check if the power adapter is securely plugged into both the controller and the electrical outlet.
  - Ensure the electrical outlet is functioning correctly by testing it with another device.
  - Verify that the light is not in an "OFF" phase of the 24/7 cycle or a manual off state.

- **Settings are lost after power outage:**

  - The light has a power-off memory function for programmed cycles, but the current time may need to be reset. Follow the "Setting Current Time" instructions in Section 3.1.

- **Remote control is not responding:**

  - Ensure there are no obstructions between the remote and the inline controller's IR sensor.
  - Check and replace the battery in the remote control if necessary.

- **Inconsistent light output or visible defects:**

    - Inspect the LED surface for any visible damage or debris that might be affecting light distribution.
    - If you observe manufacturing defects such as uneven silicone work or cable splitting, contact customer support for assistance.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	NICREW
Model Number	N28785
Size (Adjustable)	36 - 48 inches
Wattage	33 watts
Light Output Maximum	3300 Lumens
Light Source Type	LED (RGB+W Full Spectrum)
Color Temperature	6500K (Cool White)
CRI	Up to 90
Water Resistance Level	IP67 Waterproof (Light fixture only)
Material	Aluminum, Metal
Power Source	Corded Electric
Control Method	Remote with Push Button, Inline Controller
Product Dimensions	3"D x 15"W x 2.57"H (Fixture)
Item Weight	3.44 pounds
Batteries	1 Lithium Ion battery required (included for remote)

POWER	FITS AQUARIUMS	LUMEN	LEDS(W+RGB)	PAR@30" IN AIR	LUX@30" IN AIR	CRI	INPUT
12W	12 - 18 inch	600 lm	36 + 12	60	4000	91	AC 100-240V
17 W	18 - 24 inch	850 lm	48 + 16	77	5000	91	AC 100-240V
21 W	24 - 30 inch	1050 lm	60 + 18	77	5000	91	AC 100-240V
27 W	30 - 36 inch	1350 lm	84 + 28	98	6000	91	AC 100-240V
33 W	36 - 48 inch	1650 lm	96 + 32	98	6000	91	AC 100-240V
39 W	48 - 60 inch	1950 lm	120 + 40	98	6000	91	AC 100-240V

Image: Detailed specifications table for various NICREW RGB+W 24/7 LED Aquarium Light models, including the 36-48 inch version.

7. WARRANTY AND SUPPORT

NICREW offers a Hassle-Free 12-Month Warranty for this product. For any questions, technical support, or warranty claims, please contact NICREW customer service. They provide 24-hour friendly customer service to assist you.

Please refer to the contact information provided in your product packaging or visit the official NICREW website for the most up-to-date support details.

NICREW

SkyLED Plus 2.0
Instruction Manual

[NICREW SkyLED Plus 2.0 Aquarium Light Instruction Manual](#)
Comprehensive guide for the NICREW SkyLED Plus 2.0 aquarium LED light, detailing its programmable lighting schedules, sunrise/sunset simulation, spectrum control, safety precautions, and warranty information for optimal aquarium plant growth.

NICREW

ClassicLED Plus Aquarium Light
Instruction Manual

[NICREW ClassicLED Plus Aquarium Light: Instruction Manual & Setup Guide](#)
Comprehensive instruction manual for the NICREW ClassicLED Plus Aquarium Light. Learn how to install, program, and maintain your aquarium lighting for optimal plant and fish health. Includes safety guidelines and troubleshooting.

NICREW

Aquarium Air Pump
Instruction Manual

[NICREW Aquarium Air Pump Instruction Manual](#)
Instruction manual for the NICREW Aquarium Air Pump, covering safety, installation, maintenance, and troubleshooting.

NICREW

Aquarium Air Pump
Instruction Manual

[NICREW Aquarium Air Pump Instruction Manual](#)
Official instruction manual for the NICREW Aquarium Air Pump (model 01933EU2403V3). This guide provides detailed information on safety precautions, installation methods, routine maintenance, proper disposal (EU countries), and warranty details. Learn how to set up and care for your aquarium air pump to ensure optimal performance and longevity.

NICREW

Aquarium Clip-on Light
Instruction Manual

[NICREW Aquarium Clip-on Light Instruction Manual](#)
Instruction manual for the NICREW Aquarium Clip-on Light, covering safety precautions, installation, maintenance, WEEE information, and warranty details.

NICREW

Marine Aquarium Light
Quick Start Guide

[NICREW Marine Aquarium Light Quick Start Guide](#)
A quick start guide for the NICREW Marine Aquarium Light, detailing setup, programming, and safety instructions for optimal aquarium lighting.