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› [NICREW RGB+W 24/7 LED Aquarium Light Instruction Manual](#)

NICREW N28782

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

Model: N28782

Brand: NICREW

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NICREW RGB+W 24/7 LED Aquarium Light. This full-spectrum light is designed for freshwater planted tanks, offering highly customizable lighting environments to support plant growth and enhance the vibrancy of your aquatic life. It features a built-in controller for 24/7 programming, preset lighting modes, and weather effects.

2. SETUP

2.1 Unpacking and Components

Carefully remove all components from the packaging. Verify that all listed parts are present:

- NICREW RGB+W 24/7 LED Aquarium Light fixture
- External Controller with LCD display
- Wireless IR Remote Control
- Power Adapter
- Extendable Brackets (pre-attached or separate)



Figure 1: Main components of the NICREW RGB+W 24/7 LED Aquarium Light, including the light fixture, external controller, and remote control.

2.2 Installation

1. **Attach Brackets:** If not already attached, securely slide the extendable brackets onto both ends of the light fixture.
2. **Position Light:** Place the light fixture on top of your aquarium. Adjust the extendable brackets to fit the length of your tank, ensuring the light is centered and stable. It is recommended to use a glass lid to protect the light from water splashes.
3. **Connect Controller:** Plug the light fixture's cable into the external controller.
4. **Connect Power:** Connect the power adapter to the external controller, then plug the power adapter into a suitable electrical outlet.

3. OPERATING INSTRUCTIONS

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

3.1 Remote Control Overview

Remote Control

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

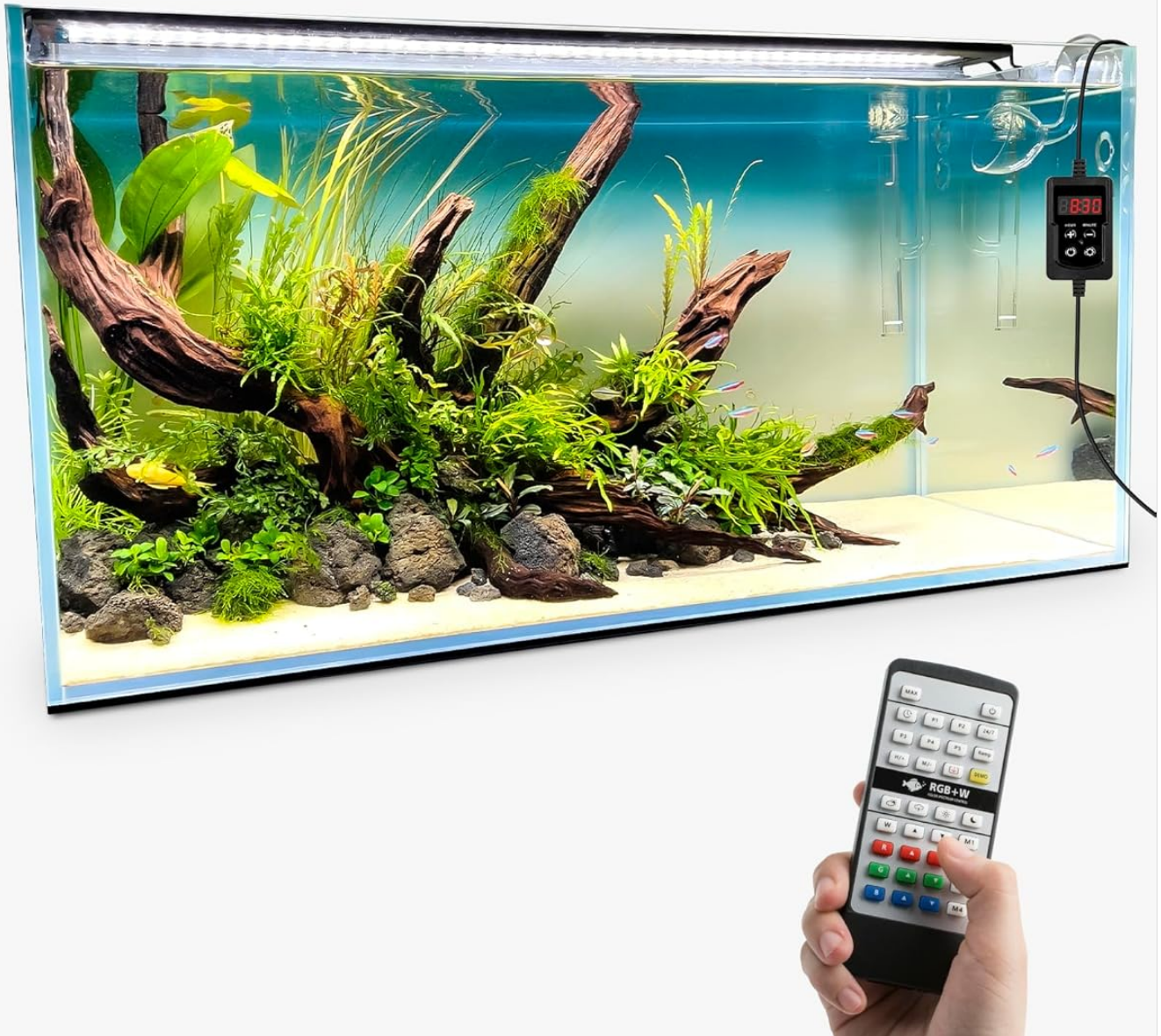


Figure 2: Wireless IR Remote Control.

The remote control provides comprehensive command over programming, memory slots, and weather modes. Key functions include:

- **Power Button:** Turns the light on/off.
- **MAX Button:** Engages all LEDs to the brightest setting.
- **TIME Button:** Used to set the current time of day on the controller.
- **24/7 Button:** Activates the 24/7 timer mode.
- **P1-P5 Buttons:** Used to program and select different lighting phases within the 24/7 mode.
- **+/- Buttons:** Adjusts hours/minutes for time setting or brightness intensity.

- **RAMP Button:** Selects ramp-up/down time (0/15/30 minutes).
- **DEMO Button:** Demonstrates an accelerated 24-hour photocycle.
- **Preset Modes (Cloudy, Thunder, Sunny, Moon):** Engages pre-programmed weather effects.
- **M1-M4 Buttons:** Memory function to store and recall up to four preferred color combinations.
- **W, R, G, B Buttons with Arrows:** Adjusts the intensity of White, Red, Green, and Blue LED channels. Each press increases/decreases output by 10%.

3.2 Setting the Current Time

1. Ensure the controller is in 24/7 mode by pressing the **24/7** button on the remote. The LCD display will show the current time.
2. Press the **TIME** button. The hour display will flash. Use the **HOUR +/-** buttons to adjust the hour.
3. Press the **TIME** button again. The minute display will flash. Use the **MINUTE +/-** buttons to adjust the minute.
4. Press the **TIME** button one more time to save the settings. The light will automatically enter its preset 24-hour mode.

3.3 Programming Lighting Phases (24/7 Mode)

The 24/7 mode features 5 customizable lighting phases (P1-P5) that simulate a natural circadian rhythm. Each phase has a start time and adjustable White, Red, Green, and Blue light intensities.

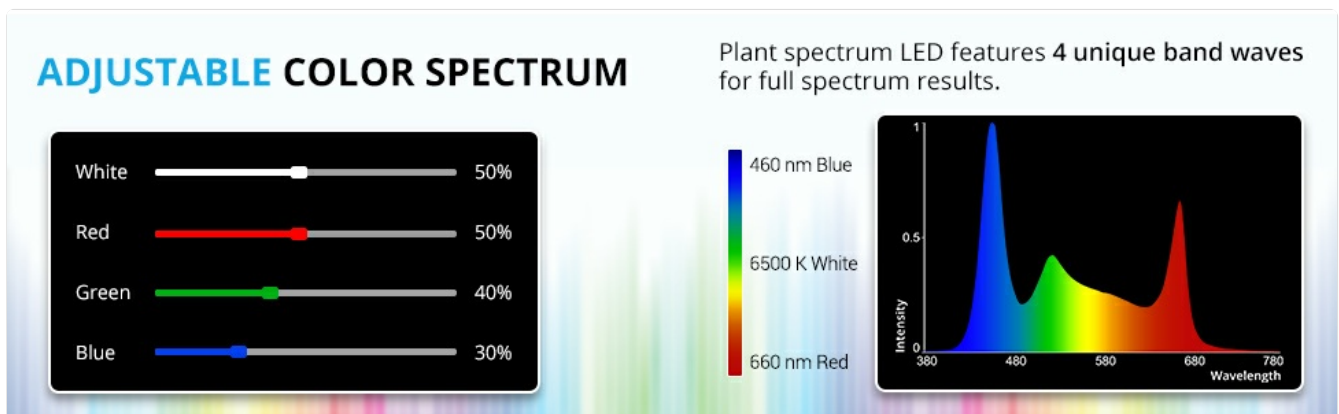


Figure 3: Example 24-Hour Circadian Timer Schedule.

1. **Select Phase:** Press the desired phase button (e.g., **P1**) briefly. The LCD display will show "P1" and flash a time.
2. **Set Start Time:** Use the **HOUR +/-** and **MINUTE +/-** buttons to set the start time for this phase. Press the phase button again to save.
3. **Adjust Colors/Intensity:** While the phase is active (or after setting its time), use the **W, R, G, B** buttons and their respective **UP/DOWN arrows** to adjust the intensity of each color channel. Each press adjusts by 10%.
4. Repeat for all 5 phases (P1-P5) to customize your full 24/7 lighting schedule.

3.4 Weather Modes

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.

Figure 4: Available weather modes.

The remote includes buttons for four preset weather modes to simulate natural conditions:

- **Cloudy Mode:** Simulates an overcast day.
- **Thunder Mode:** Creates a lightning effect.
- **Sunny Mode:** Provides bright, full-spectrum light.
- **Moon Mode:** Offers a dim, blue light for nighttime viewing.

Press the corresponding button on the remote to activate the desired weather mode.

3.5 Memory Function

The remote allows you to save up to four custom color combinations (M1, M2, M3, M4) for quick recall.

1. **Save:** Adjust the W, R, G, B channels to your desired levels. Hold down the desired memory button (M1-M4) for 3 seconds until the light blinks, indicating the setting is saved.
2. **Recall:** Briefly press the desired memory button (M1-M4) to recall the saved setting.

4. MAINTENANCE

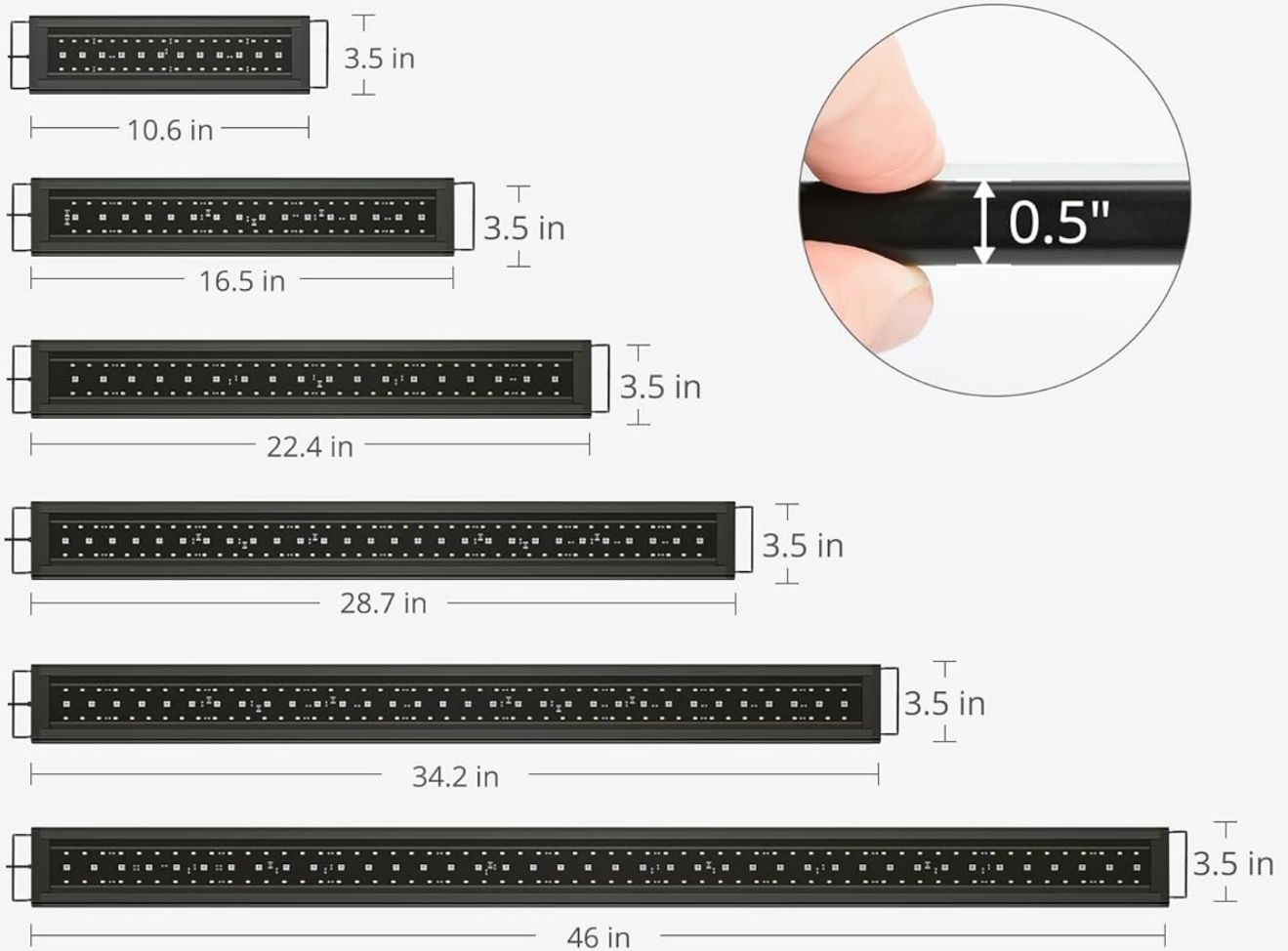
Regular maintenance ensures optimal performance and longevity of your aquarium light.

- **Cleaning:** Periodically wipe the light fixture with a soft, damp cloth to remove dust, water spots, and algae. Ensure the light is unplugged before cleaning. Do not use abrasive cleaners or solvents.
- **Water Protection:** Although the light is IP67 waterproof, avoid prolonged submersion. Ensure the power adapter and controller are kept dry and away from water.
- **Cable Inspection:** Regularly check the power cable and connections for any signs of damage or wear. Replace if necessary.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose connection; faulty adapter.	Check power outlet, ensure all connections are secure. Test with another adapter if available.
Remote control not responding.	Battery low/dead; IR sensor blocked; remote out of range.	Replace remote battery. Ensure no obstructions between remote and controller. Operate within direct line of sight.
24/7 mode not working correctly.	Incorrect time setting; power outage reset.	Re-set the current time on the controller. The light has a power-off memory function for settings, but time needs to be reset after power interruption.
Light intensity is too low/high.	Incorrect intensity setting for current phase.	Use the W, R, G, B arrows on the remote to adjust individual color intensities.

6. SPECIFICATIONS



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

Figure 5: Product dimensions and technical specifications.

Feature	Detail
Brand	NICREW
Model Number	N28782
Product Dimensions	15 x 3 x 2.57 inches (for 18-24 inch model)
Item Weight	1.9 pounds

Feature	Detail
Wattage	17 watts
Light Source Type	LED (RGB+W Full Spectrum)
Controller Type	Remote Control (IR)
Material	Aluminum, Metal
Water Resistance Level	IP67 Waterproof
Voltage	240 Volts (AC)
Included Components	Light, Remote Control, Power Adapter

7. WARRANTY AND SUPPORT

NICREW is dedicated to making fish keeping easier and more enjoyable, providing quality products and attentive customer service.

7.1 Product Warranty

This product comes with a Hassle-Free 12-Month Warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

7.2 Extended Protection Plans

Extended protection plans are available for purchase to provide additional coverage beyond the standard warranty:

- **3-Year Protection Plan:** Available for \$5.99 (one-time payment).
- **4-Year Protection Plan:** Available for \$7.99 (one-time payment).
- **Complete Protect:** A monthly plan covering all eligible past and future purchases for \$16.99/month.

7.3 Customer Service

For any questions, technical support, or warranty inquiries, please contact NICREW customer service. We offer 24-Hour Friendly Customer Service.

You can visit the official NICREW store for more information and support resources: [NICREW Store](#)