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## MICMOL AA-1200

# MICMOL Aqua Air AA-1200 Marine 96W Smart LED Aquarium Light Instruction Manual

Model: AA-1200

## 1. PRODUCT OVERVIEW

The MICMOL Aqua Air AA-1200 is a smart LED aquarium lighting system designed for saltwater marine, coral reef, and fish tanks. It features a super thin unibody design, programmable timer functions, and a full spectrum LED array to support aquatic life.

Key features include:

- 11mm (0.4") super thin design.
- 96W power output.
- Full spectrum LED array with 7 bands for diverse spectral combinations.
- Smart Controller with timer, sunrise, sunset, and lightning effects.
- Three independent LED channels with 6 adjustable timer points.
- Adjustable super bracket system for tanks 1185mm to 1685mm (47" to 66").
- Water-resistant cooling system.
- UL approved power supply.



Image 1.1: MICMOL Aqua Air AA-1200 Smart LED Aquarium Light fixture.

## 2. WHAT'S IN THE BOX

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Verify that all components are present before proceeding with installation.

- 1 x G2 Aqua Air 1200 Lighting Fixture (AA-1200 / 96W)
- 1 x Smart Controller
- 1 x Super Bracket
- 1 x US Standard Power Cord
- 1 x Power Adapter
- 1 x Tool Sets
- 1 x Printed Instructions

## 3. SETUP INSTRUCTIONS

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### 3.1 Mounting the Light Fixture

The Aqua Air AA-1200 comes with an adjustable super bracket system suitable for both rimmed and rimless aquariums. The brackets accommodate tank sizes ranging from 1185mm (47 inches) to 1685mm (66 inches).

1. Attach the super brackets to the light fixture using the provided tool set. Ensure they are securely fastened.
2. Adjust the length of the brackets to fit your aquarium's dimensions.
3. Carefully place the light fixture onto the edges of your aquarium, ensuring it is stable and centered.
4. *Optional:* If using hanging kits (sold separately), refer to the hanging kit instructions for installation.

## 3.2 Connecting Power and Controller

1. Connect the Smart Controller to the light fixture.
2. Connect the power adapter to the Smart Controller.
3. Plug the US Standard Power Cord into the power adapter.
4. Plug the power cord into a suitable electrical outlet. The light should power on, and the Smart Controller display will activate.

## 4. OPERATING INSTRUCTIONS

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The Smart Controller allows for comprehensive customization of your aquarium lighting. It features touch switches for navigation.

### 4.1 Smart Controller Functions

The controller provides access to various settings:

- **Clock:** Set the current time.
- **Timer:** Program on/off times and intensity levels for each LED channel.
- **LED Channels:** Adjust the intensity of the three independent LED channels. The channels are configured as follows for the Marine version:
  - Channel 1 (White): Controls 80 White LEDs.
  - Channel 2 (Blue): Controls 32 Royal Blue, 112 Royal Blue, and 8 Blue LEDs.
  - Channel 3 (Special): Controls 8 Warm White, 8 UV, 4 Red, and 4 Green LEDs.
- **Special Effects:** Simulate natural phenomena such as sunrise, sunset, and thunderstorms.
- **Demo:** Activates a 1-minute demonstration of all settings.
- **Factory Reset:** Resets all settings to their default factory configuration.

### 4.2 Programming Timer and Intensity

The Smart Controller allows you to set 6 timer points for each of the three LED channels. This enables precise control over the light cycle and intensity throughout the day.

1. Navigate to the "Timer" setting on the Smart Controller.
2. Select the desired LED channel (Channel 1, 2, or 3).
3. For each of the 6 timer points, set the desired time and the corresponding intensity level (0-100%) for that channel.
4. Repeat this process for all three channels to create a customized lighting schedule.
5. Save your settings before exiting the timer menu.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your Aqua Air AA-1200 light.

- Cleaning:** Periodically wipe the aluminum body and LED surface with a soft, damp cloth. Ensure the light is unplugged before cleaning. Avoid abrasive cleaners.
- Cooling System:** The unit features a water-resistant cooling system. Ensure that the cooling vents (if visible) are not obstructed to allow for proper heat dissipation.
- Connections:** Periodically check all power and controller connections to ensure they are secure.

## 6. TROUBLESHOOTING

If you encounter issues with your Aqua Air AA-1200, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty power adapter.	<ul style="list-style-type: none"><li>Check if the power cord is securely plugged into the outlet and the adapter.</li><li>Ensure the Smart Controller is properly connected to the light fixture and power adapter.</li><li>Test the outlet with another device.</li></ul>
Smart Controller display is blank or unresponsive.	Power issue, controller malfunction.	<ul style="list-style-type: none"><li>Verify power connections as above.</li><li>Attempt a factory reset (refer to Operating Instructions).</li><li>If the issue persists, contact customer support.</li></ul>
Controller resets clock or settings frequently.	Internal software malfunction or power interruption.	<ul style="list-style-type: none"><li>Ensure stable power supply to the unit.</li><li>Perform a factory reset and re-program settings.</li><li>If the problem continues, this may indicate a controller malfunction. Contact customer support.</li></ul>
LEDs are not illuminating correctly or some channels are off.	Incorrect programming, faulty LEDs.	<ul style="list-style-type: none"><li>Check the timer and intensity settings for each LED channel on the Smart Controller.</li><li>Ensure no special effects (like lightning) are active that might temporarily alter light output.</li><li>If individual LEDs or channels consistently fail, contact customer support.</li></ul>

## 7. SPECIFICATIONS

Model Number	G2-AA-1200-M
Power	96W

<b>Dimensions (Fixture)</b>	1160 x 126 x 11mm (45.7 x 5 x 0.4 inches)
<b>Weight</b>	3.0 kg (6.6 lbs)
<b>Material</b>	Aluminium
<b>Finish Type</b>	Polished
<b>Switch Type</b>	Touch
<b>Special Feature</b>	Full Spectrum, Programmable Timer, Sunrise/Sunset
<b>Light Source Type</b>	SMD LEDs
<b>Bracket Compatibility</b>	Min tank: 1185mm (47"), Max tank: 1685mm (66")
<b>Certifications</b>	UL, Rosh, CE, SAA (Power Adapter)
<b>LED Configuration (Marine)</b>	80x White (CN 1), 32x Royal Blue (CN 1), 112x Royal Blue (CN 2), 8x Blue (CN 3), 8x Warm White (CN 3), 8x UV (CN 3), 4x Red (CN 3), 4x Green (CN 3)

## 8. WARRANTY AND SUPPORT

The MICMOL Aqua Air AA-1200 comes with a **Two-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, warranty claims, or further assistance, please contact MICMOL customer service through their official website or your retailer.

Please retain your proof of purchase for warranty validation.