

Malibu LED Aqua Lights

User Manual

 **MALIBU**
LED Smart Aqua System



Malibu User Manual

Reading the User manual thoroughly is strongly recommended in order to optimize the performance of your LED fixtures. Please keep your user manual in a safe place for future references. Thanks for purchasing the Malibu Aquarium Light.

For controlling your Malibu LED Aqua Lights by iOS or Android mobile devices, please download our latest APP "AquaZealer" by Apple Store and Google Play, and download the latest instruction on our website:

<http://www.eonstarled.com/download.html>

Specifications

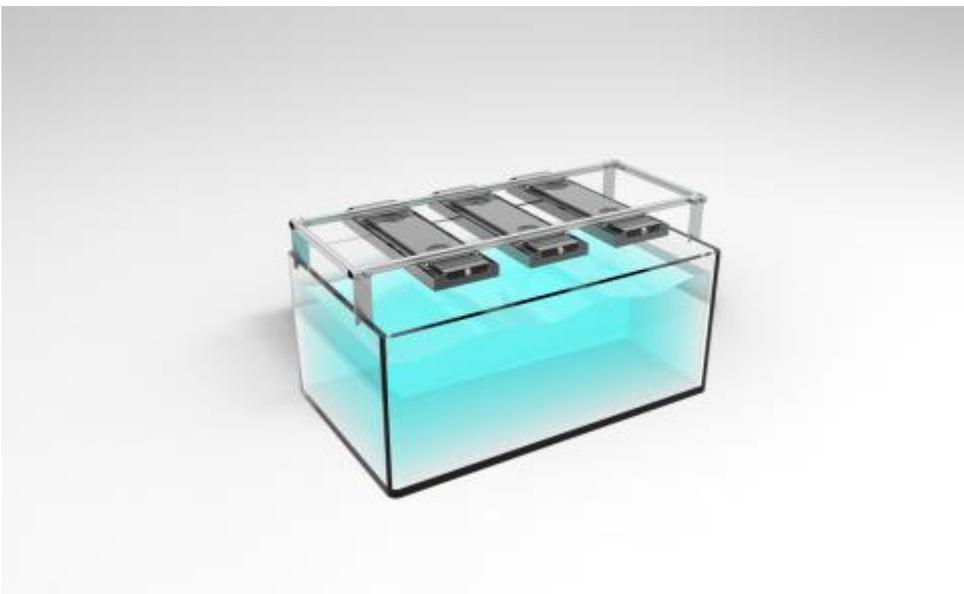
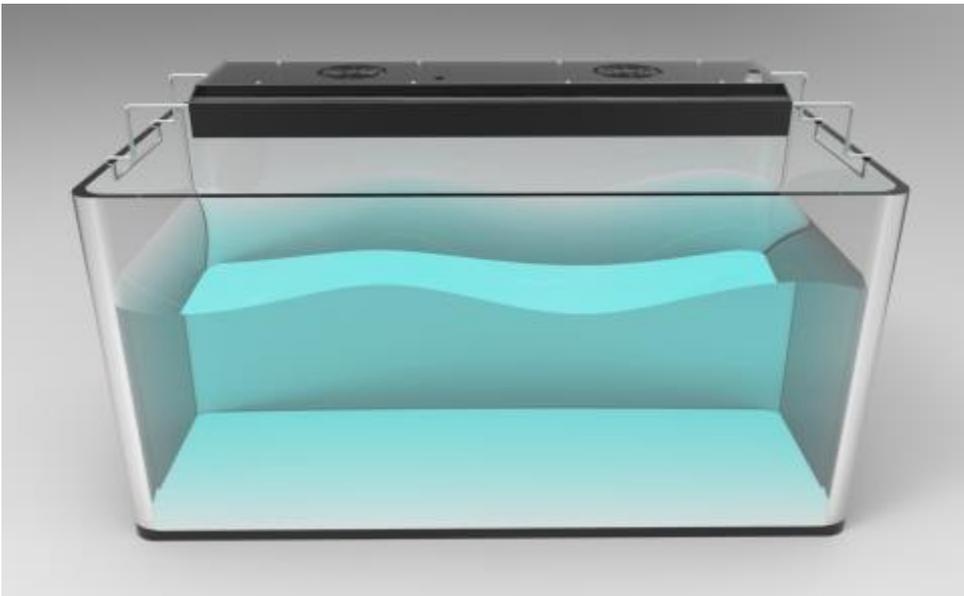
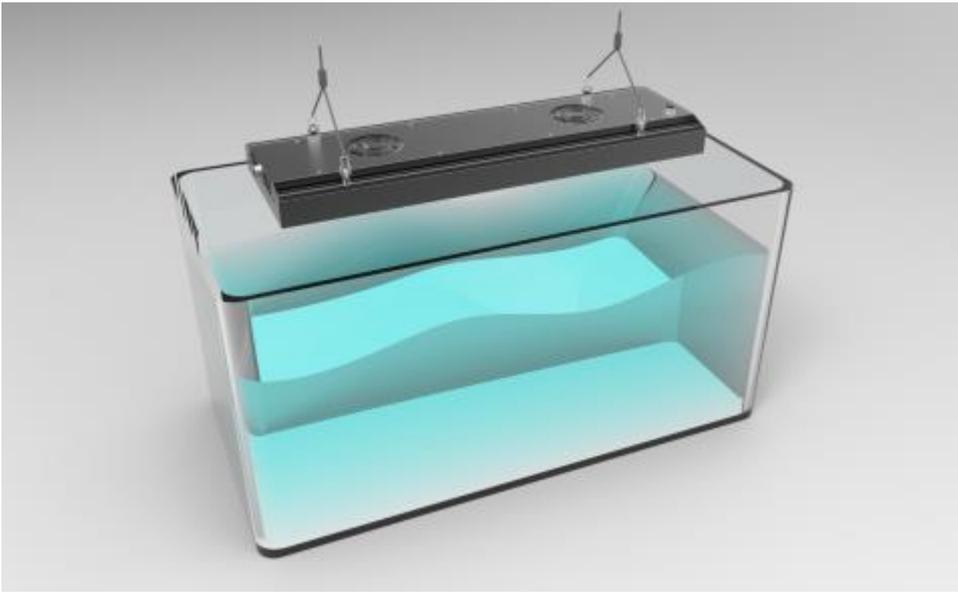
Model	S80	S150	S200	S300	S400
Module (s)	1	2	3	4	5
LEDs	24	48	72	96	120
LED Type	3 Watt				
Input Voltage	AC110 ~ 240V				
Rated Power	70W ~ 80W	140W ~ 150W	185W ~ 200W	275W ~ 300W	380W ~ 400W
Power Factor	≥0.9				
Lifespan:	50,000 hours				
Fixture Size	9.5 x 7.8 x 1.9 ins.	23.6 x 7.8 x 1.9 ins.	35.4 x 7.8 x 1.9 ins.	47.2 x 7.8 x 1.9 ins.	59 x 7.8 x 1.9 ins.
2nd Lens	90° (60°, 120° optional)				
Material	Brushed Aluminum (Black or Silver optional)				
Color Ratio	CW(12000K):B(460-470nm):RB(450nm):UV(410nm):R(630nm):G(515nm-530nm) = 6:10:4:2:1:1				
Accessories	Smart controller, Controller-to-LED Cable, LED-to-LED cable, Hanging Kits, Power cable, Plug Adaptor (optional), Stainless extractable bracket x 2 pieces (optional), Mounting Rail Kits (optional), other necessary items				

Precautions

1. Prevent the risk of electric shock do not expose to rain or moisture. Store indoors.
2. Keep power off during installation and disassembly.
3. Avoid direct contact to high moisture substances.
4. No containers filled with liquid such as vases, coffee cups, shall be placed onto the LED panel.
5. Do not look into the LEDs directly, especially the UV diode.
6. Aggressively switching power ON/OFF should be prohibited.

7. Basic safety precautions should always be followed to reduce the risk of fire and personal injury.

Installation



Connections

DAISY-CHAIN CONTROL



Connect the controller with the aux-to-data cable to the “DATA IN” socket on the first fixture, and then connect the data-to-data cable to the “DATA OUT” socket on the first fixture, lastly, connect the other end of the data-to-data cable from the first fixture to the “DATA IN” socket on the next fixture.

Accessories



Smart Controller



**Controller-to-LED
Wire**



LED-to-LED Wire



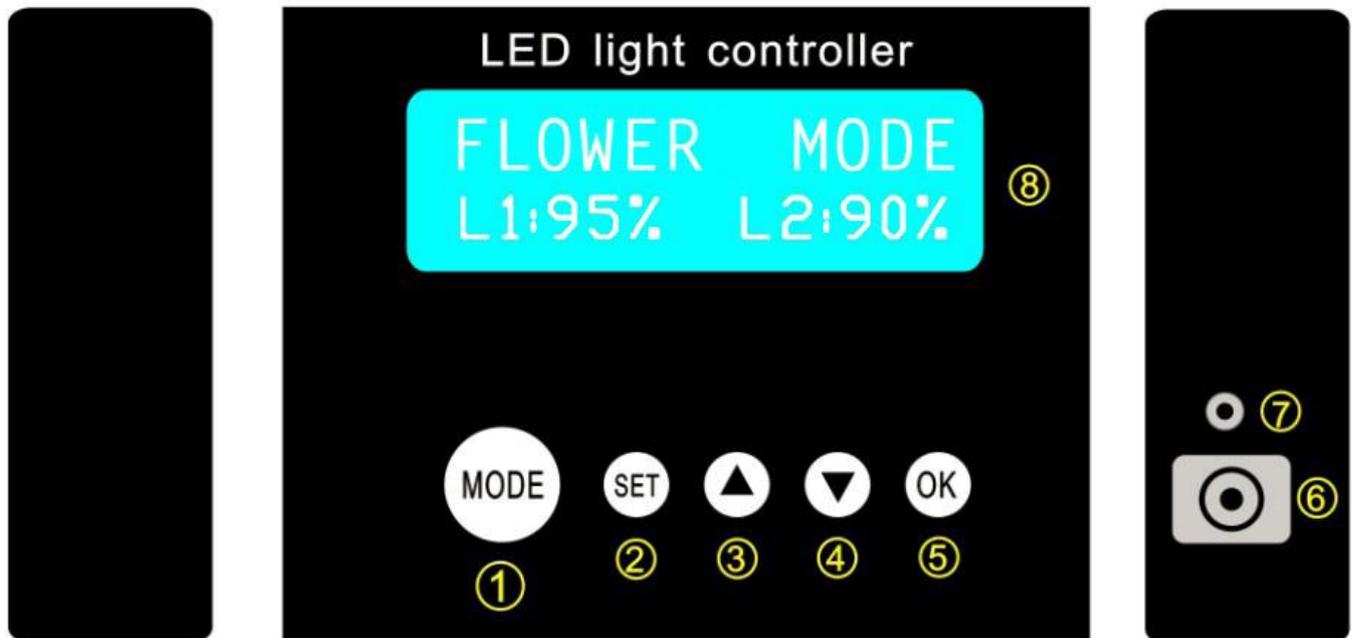
Hanging Kits



**Wireless Controller
Charger**



Power Cord



1. Mode: change modes.
2. SET: setting change.
3. UP \triangle : increase in value.
4. DOWN ∇ : decrease in value.
5. OK: confirm and move cursor to the next value
6. Power input port.
7. Signal output port.
8. LCD.

To turn the system ON and OFF, press and hold the Mode button for 5 seconds.

6 lighting modes:

1. Sunrise Mode
2. Cloud Mode
3. Flash Mode
4. Show Mode
5. DIY Mode
6. Manual Mode

All fixtures are equipped with 4 LED channels and 8 timers to automatically adjust the brightness to the time of a day.

Functional Modes

Sunrise Mode

Sunrise mode is preset with light intensity and timers which are ideal for coral growth, and will self-adjust throughout the day.

Cloud Mode

Cloud mode is preset with light intensity and timer which are ideal for easing corals into the normal environment, and will self-adjust throughout the day.

Flash Mode

Flash mode is preset with light intensity and timer, it is designed to simulate storm and thunder in nature, and will self-adjust throughout the day.

Show Mode

Show mode is preset with a quick demonstration of cloud mode and flash mode, and will run automatically.

DIY Mode

DIY mode allows Users to program the timers and light intensity.

Manual Mode

Manual mode allows Users to press the **up** and **down** buttons to alter brightness, and to press the **OK** button for the next value input.

DIY Mode Instructions

DIY Mode General Instructions

1. Press **Set** to enter parameter settings.
2. Press **Up, Down** keys to select a LED channel.
3. Press the **OK** key to select the channel.
4. Press the **Up, Down** keys to set the timer, then press **OK** for the next value, when the timer is set, set the brightness.
5. Press **Mode** to go back one step.
6. Repeat 1-5 for more LED timer and channel settings.

Note: The User could program up to 8 timer for a 24 hour day.

System Clock

In Manual Mode, press **Set** to enter system time setting.

Press the **Up, Down** keys to adjust the value, **OK** for the next value, **Mode** to go back.

Limited Warranty

A. Warranty Period.

All Malibu Aqua light warrant original purchasers by the manufacture. The products are to be free from defects in material and workmanship under the condition of regular operation for 1 (one) year from the date of purchase.

B. Warranty Procedure.

During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with the same or similar models) at our option, without charge regarding either parts or labor. Repairs generally take one or two business days. You must first contact us to obtain a RMA number; such requests may be made through email or fax. State your name, address, email, and product serial number, an explanation of the problem and proof of purchase (copy of invoice/receipt). You must bear all packaging, shipping and insurance costs. If possible, use the original packaging. Freight collection or shipment without a RMA number will not be accepted. Return the product with RMA number written on top of the box. Repaired product will be shipped back to you, prepaid at our cost via FedEx or UPS ground services.

C. Limited Liability.

Our liability is limited to the cost of the defective materials. In no case will the manufacture assume liability for any injuries or consequential damage to property or livestock resulting from any failure. Not covered by this warranty are damages due to corrosion, alteration, abuse, accident, unreasonable or improper use.

D. Shipping Damage.

Shipping damages are the responsibility of the carrier, and claims for such damage should be made directly to the carrier.

E. Repairs after Warranty Period ends

Repairs after the warranty period but less than 4 (four) years from the date of purchase will be charged at a flat fee of \$60 per incident (includes parts, labor and return shipping cost) for standard repair. Repairs after 4 years from the date of purchase or repairs for damages due to corrosion, alteration, abuse, accident, unreasonable or improper use will be quoted on a case by case basis.

Contact Info

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