

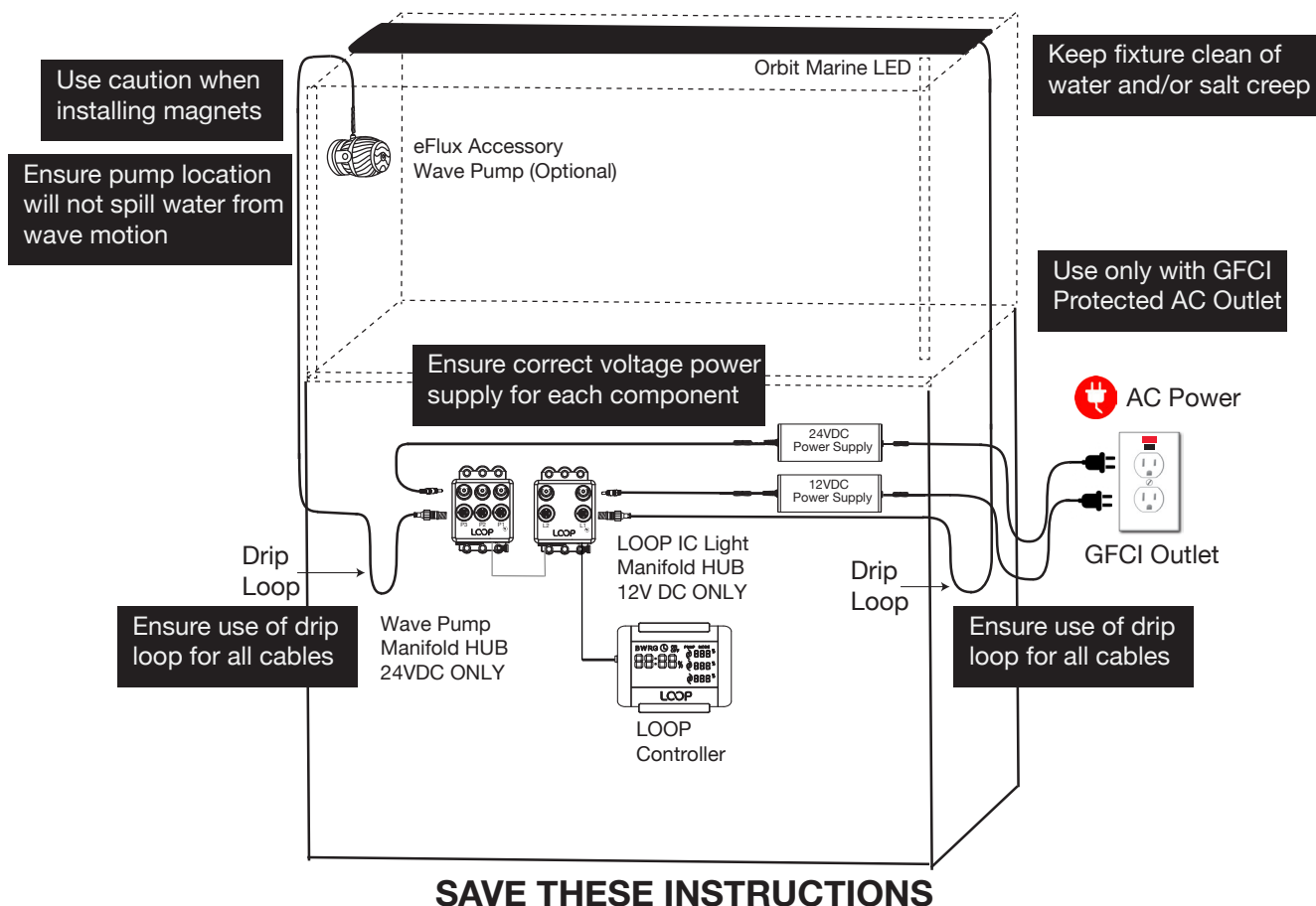


Orbit® Marine LED Light Safety Instructions

Safety Instructions & Warnings

IMPORTANT: Please refer to additional safety instructions and warnings on last page.

- Carefully examine light fixture, wires and all components before and after installation. Ensure there is no damage or water on any components BEFORE plugging into a GFCI wall outlet.
- NEVER plug in a wet cord. Always unplug with dry hands for any maintenance or service.
- Ensure 12VDC UL® power supply is plugged into a GFCI approved outlet with a drip loop for each light fixture. If using eFlux pumps, ensure a 24VDC UL® power supply is used with drip loop.
- Turn controller OFF and disconnect lights and pumps from power before performing service.
- Never look directly into the LEDs.
- Never run pumps dry or out of water.
- Follow all safety instructions for any wave pumps or additional add-on accessories.
- eFlux wave pumps create a tremendous amount of water flow. Do not install pump where the strong current can harm corals or animals.
- Pumps can also produce powerful waves in both wave and surge modes. Ensure your aquarium is designed for wave pumps and ensure pumps are mounted low enough not to push water out of the aquarium.
- Ensure light fixture is kept clean of any saltwater or salt creep. Fixture is IP65 rated for water splashing but must be kept clean of water, moisture, salt creep and/or any mineral deposits.





Orbit® Marine LED Light What's Included

Additional Help

For additional installation instructions and videos, please visit our website at www.current-usa.com

What's Included

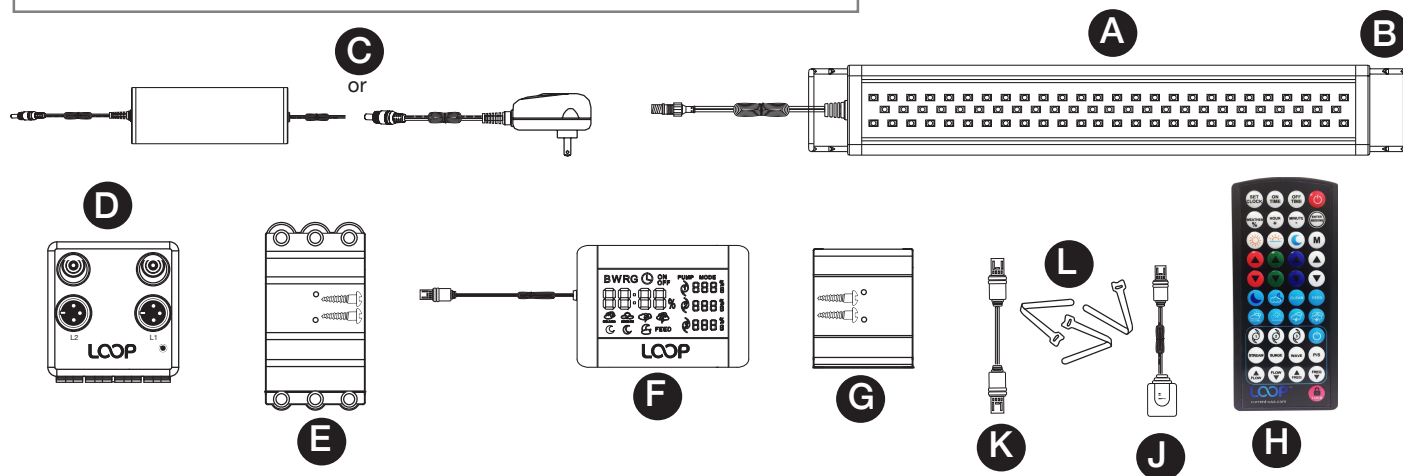
Each Orbit Marine LED lighting system includes:

Item	Description	Quantity
A	Orbit Marine LED Light Fixture	1
B	Adjustable Docking Mounts (pre-installed)	2
C	12V DC Power Supply, UL® Listed Light	1
D	HUB Manifold w/4 Silicone Cover Light	1
E	HUB Mounting Bracket w/2 Screws	1
F	LOOP LED Light & Pump Controller	1
G	LOOP Controller Bracket w/2 Screws	1
H	LOOP Wireless IR Remote Control	1
J	IR Infrared Sensor	1
K	MicroUSB Communications Cable	1
L	Cable Wraps	3

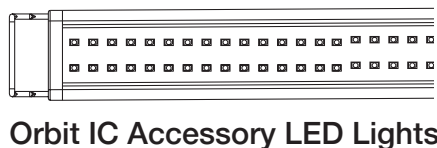
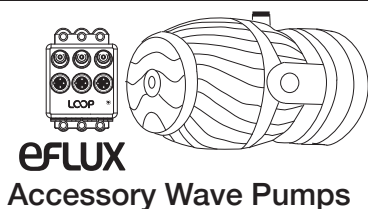
Note:

If your Orbit Marine LED is missing components, please contact us directly at www.current-usa.com.

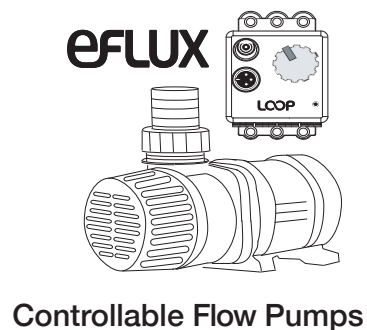
DO NOT RETURN TO RETAILER



Optional Accessories



LOOP Bluetooth
Controller



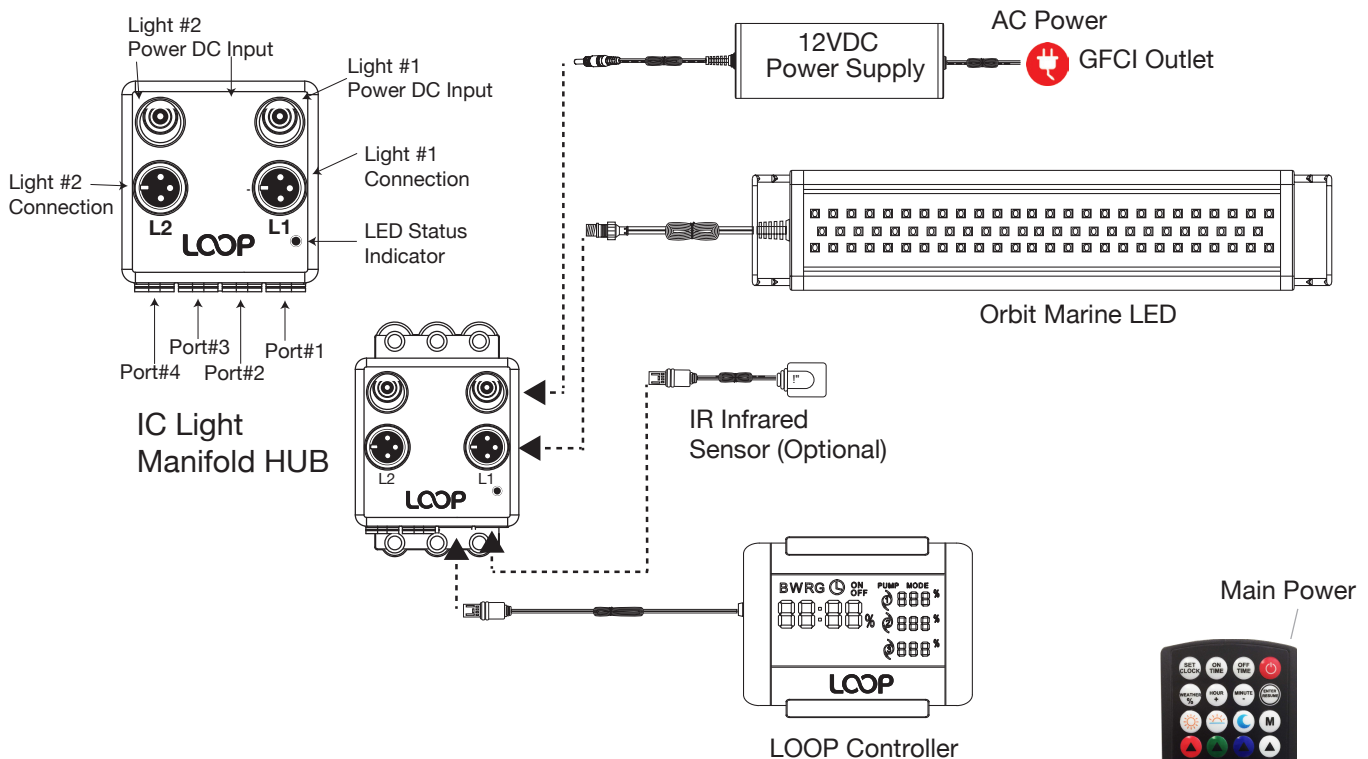


Orbit®Marine LED Light Quick Start Guide

Quick Start Guide

IMPORTANT: Before installing, read ALL SAFETY INSTRUCTIONS and WARNINGS

- Step 1.** Remove light and all components from packaging. Place light over aquarium using adjustable docking legs to ensure proper fit.
- Step 2.** Mount light HUB and LOOP controller next to each other in a dry location. Plug LOOP controller microUSB into Port#2 on light HUB.
- Step 3.** Connect Orbit Marine light fixture to Light#1 Connection plug “L1”. Plug 12VDC power supply into corresponding Light #1 DC input plug. Plug transformer into a GFCI protected outlet ensuring drip loop is in place (see safety warnings.)
- Step 4.** Connect IR infrared sensor to IC Light Manifold HUB into PORT #1. Locate sensor receiver in desired location.



- Step 5.** Remove clear plastic tab from battery compartment on remote.
- Step 6.** Press Main Power key to turn on. Press SET CLOCK and set current time (military time ie. 1:00pm=13:00 hrs.) using HOUR+ and MINUTE- keys. Press ENTER to save.

Orbit Marine LED fixture will now operate in its default programming mode. Follow instructions to customize.

Default Settings (Preprogrammed in controller)

ON Time: 07:00	Daylight Color Spectrum - W:90% B:100% R:100% G:100%
OFF Time: 18:00	Sunrise/Sunset Color Spectrum - W:10% B:80% R:50% G:20%
Pumps: Stream @100% Flow	Moonlight Color Spectrum - W:0% B:10% R:0% G:0%
	Custom Light Color (M) - W:50% B:100% R:100% G:30%

Please visit www.current-usa.com for installation videos.



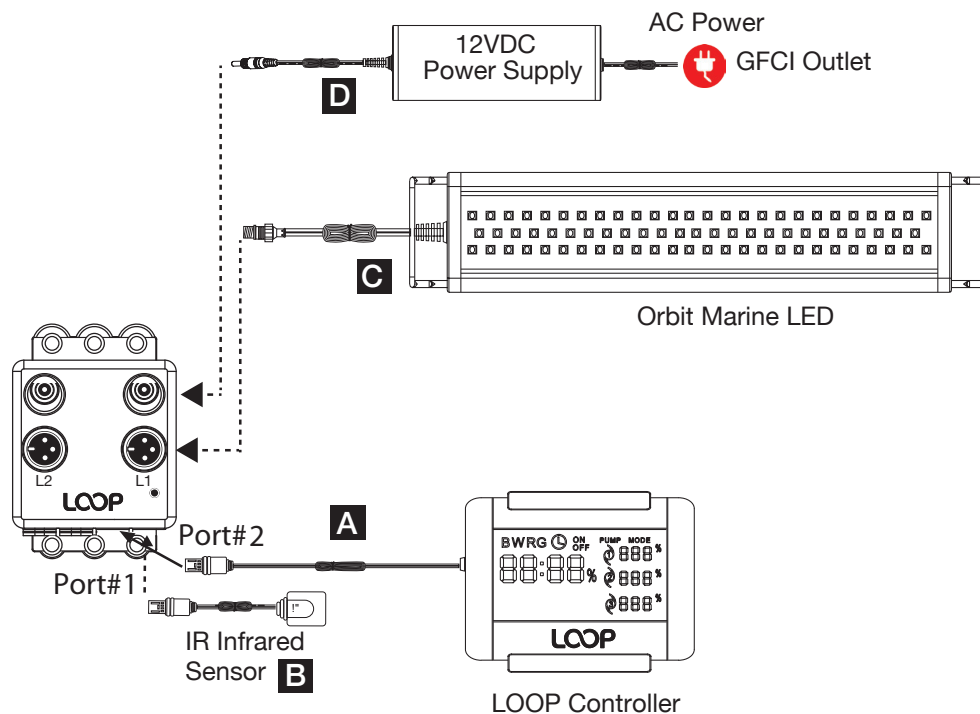


Orbit®Marine LED Light

Installation Instructions

Step 7. Connect cables in the following order:

- A** Connect LED Display microUSB cable into Port#2
- B** Connect IR Sensor microUSB cable into Port#1
- C** Connect Orbit Marine LED into L1 Light Connection
- D** Connect 12V DC cable into L1 Light Power DC input



Step 8. Plug 12V DC power supply into GFCI outlet. Communication LED indicator light on manifold HUB will flash Blue.

Step 9. Use velcro cable wraps (L) for excess cables.

Step 10. Remove clear plastic tab from battery compartment on remote control (H).













Step 11. Press Main Power Key to turn Orbit Marine light ON. Light will operate in default setting.

Step 12. Follow programming guide on next page to program clock and light cycle.















IR Remote Overview





-  **Light Power ON/OFF** - press to turn light fixture and Main IC Controller on or off
-  **Set Time of Day** - press to set the 24:00 hour clock/current time of day
-  **ON TIME** - press to program time light should begin to turn on each day
-  **OFF TIME** - press to program time light should begin to turn off each day
-  **HOUR / +** - press to change the Hours or adjust weather forecast % up (+)
-  **MINUTE / -** - press to change the Minutes or adjust weather forecast % down (-)
-  **ENTER/RESUME** - press to enter a setting or to re-enter back into normal program
-  **DAYLIGHT** - press to program color spectrum to run during the Day
-  **Sunrise/Sunset** - press to program color spectrum to run during sunrise/sunset
-  **Moonlight** - press to program color spectrum to run during the night
-  **Memory** - press to program a custom color spectrum (Color Memory)
-  **Weather** - press to program the daily weather forecast or turn off active weather









Water Pumps Programming

-  **Pump 1** - press to program the MAIN wave pump
-  **Pump 2** - press to program wave pump #2
-  **Primary/Secondary** - press to designate if Pump 2 is a Primary pump or Secondary (slave to Pump#1)
-  **Pump 3** - press to program pump #3. NOTE: PUMP#3 is only programmable in STREAM mode (no wave mode)
-  **Pump Power ON/OFF** - press to turn all pumps ON or OFF
-  **Stream Mode** - press to program designated pump into stream/constant flow mode
-  **Surge Mode** - press to program designated pump into surging (long on/off) flow mode
-  **Wave Mode** - press to program designated pump into wave (short pulsing) flow mode
-  **Flow Increase** - press to increase the flow rate/impeller speed of pump from 0-100%
-  **Flow Decrease** - press to decrease the flow rate/impeller speed of pump from 0-100%
-  **Frequency Increase** - increases frequency / time interval: Surge:Wave:
-  **Frequency Decrease** - decreases frequency / time interval: Surge:Wave:

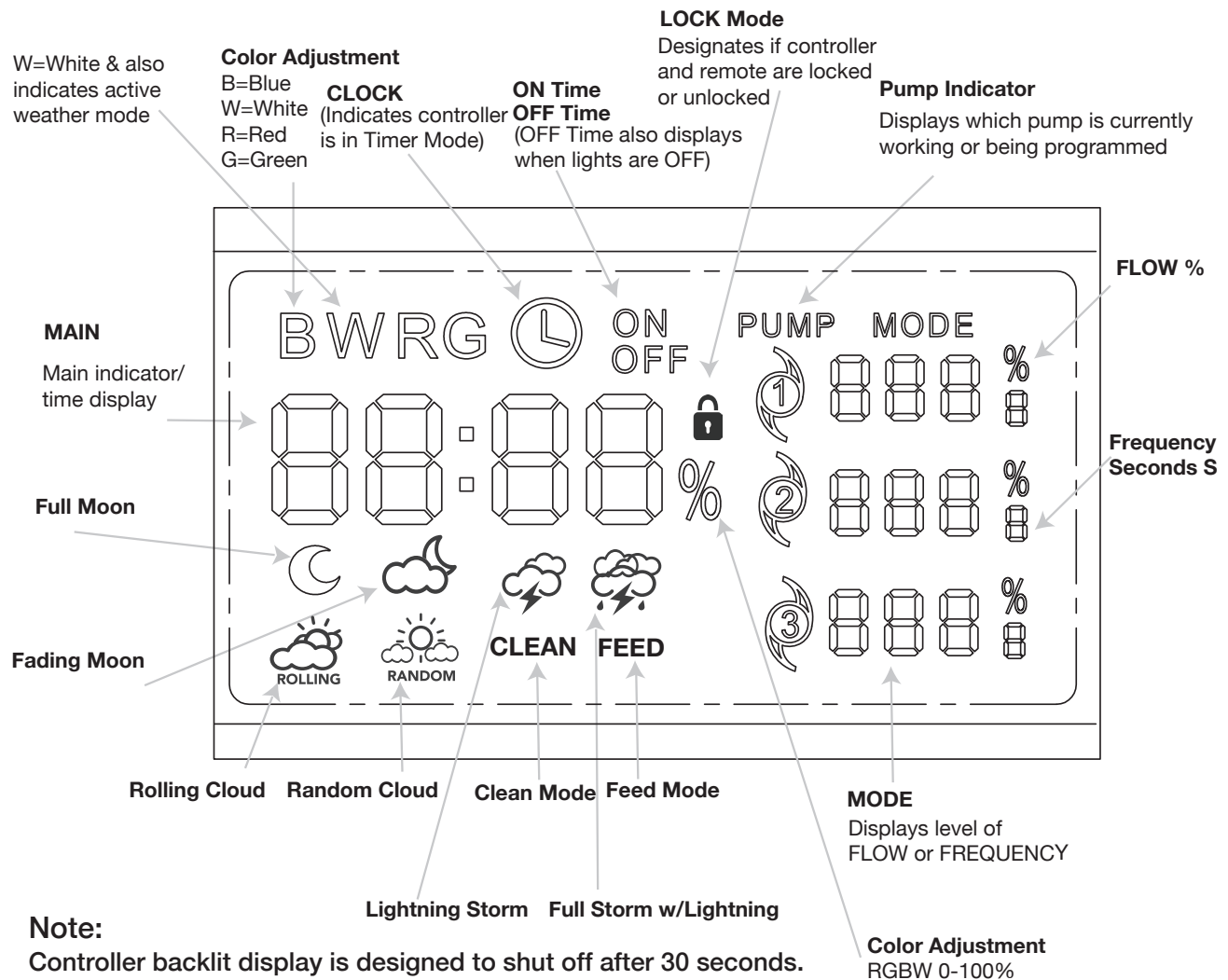
Color Spectrum Adjustment

-  **RGBW Adjustment** - press to adjust Red / Green / Blue / White color spectrums 0-100%
- 

Dynamic Modes

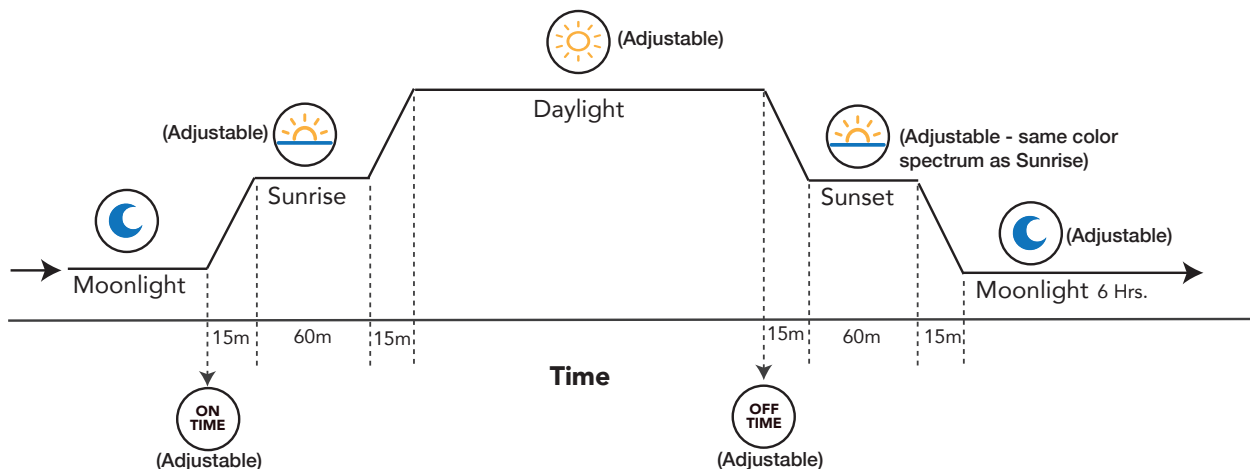
-  **Feed Mode** - runs feed program, 10min duration
Lights: Stay on programmed color spectrum
Pumps 1 & 2: reduce flow to 10%
Pump 3: reduce flow to 30%
Note: Any eFlux DC flow pumps connected to network will reduce flow to 30% in feed mode.
-  **LUNAR** - press to run light lunar mode:
Blue: 100%, White:0%, Red: 0%, Green: 0%
-  **Lunar Storm** - press to run night thunderstorm
-  **Clean Mode** - runs clean mode: Duration 10 min, White:100%, Red:100%, Green:100%, Blue:0%
-  **Rolling Clouds** - runs rolling cloud program
-  **Random Clouds** - runs random cloud program
-  **Lightning** - runs lightning storm program
-  **Full Thunderstorm** - runs full thunderstorm program

LOOP Light & Pump Controller Overview



Light Cycle Overview

Please review the following light cycle diagram:






Orbit®Marine LED Light


Programming Guide

Turning Lights ON/OFF

Press the Main On/Off key  to turn off the lights and controller display on or off. When controller is on, the backlit display will illuminate for 30 seconds.

Note:

Turning Main IC light controller on/off will not turn pumps off. Pumps will run at their last setting.

Pumps must be turned on and off separately using the PUMP  on/off key.

LOCK Icon ON = Locked

Lock/Unlock Settings

To Lock settings and IR remote communication, press Lock key and hold for 5 seconds, the LOCK icon will be displayed.

To unlock settings and IR remote communication, press Lock key again for 5 seconds, the LOCK icon will turn off/disappear.

IR remote will now operate and communicate with controller.


LOCK Icon OFF = Unlocked



Default Settings (Preprogrammed in controller)

ON Time: 07:00	Daylight Color Spectrum - W:90% B:100% R:100% G:100%
OFF Time: 18:00	Sunrise/Sunset Color Spectrum - W:10% B:80% R:50% G:20%
Pumps: Stream @100% Flow	Moonlight Color Spectrum - W:0% B:10% R:0% G:0%
	Custom Light Color (M): - W:50% B:100% R:100% G:30%

Programming Settings

Setting Current Time of Day


1. Press SET CLOCK  -> CLOCK icon will appear and main digits will blink.



2. Press HOUR +  and MINUTE-  to adjust the clock to the current time of day -> Hour and Minutes will change on main digits.

3. Press ENTER to save.



Note: clock is military time from 00:00 to 24:00. For example, 9:00pm = 21:00 hours. ON/OFF times can ONLY be set within the 00:00 to 24:00 hour period. (e.g. the controller cannot be programmed to turn ON at 18:00pm and OFF at 02:00am)

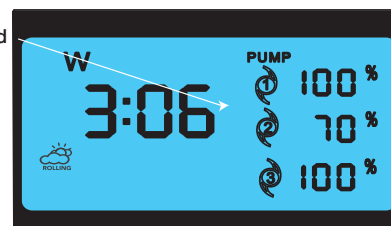
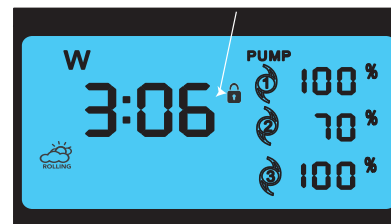
Setting Daily ON/OFF Time

1. Press ON TIME  -> ON icon will appear and main digits display.

2. Press HOUR +  and MINUTE-  to adjust the clock to the desired ON time. Press ENTER to save.

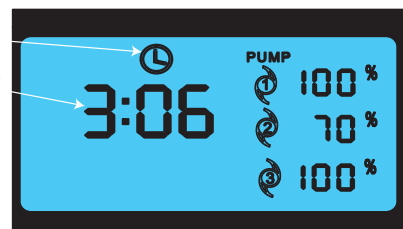
1. Press OFF TIME  -> OFF icon will appear and main digits display.

2. Press HOUR +  and MINUTE-  to adjust the clock to the desired OFF time. Press ENTER to save.

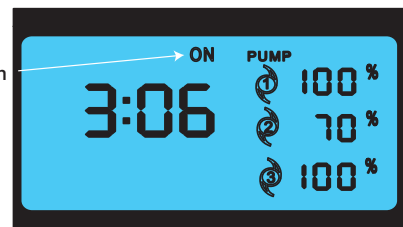


Clock Icon

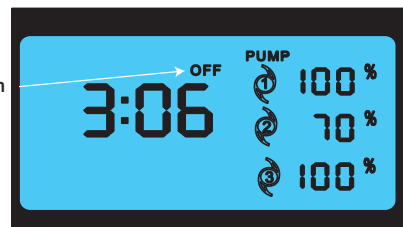
Main Digits



ON icon



OFF icon





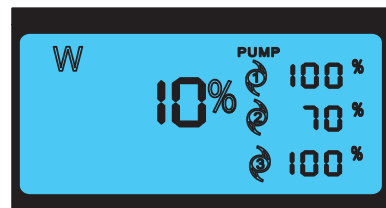
Orbit®Marine LED Light

Programming Guide

Programming Daily Weather Patterns

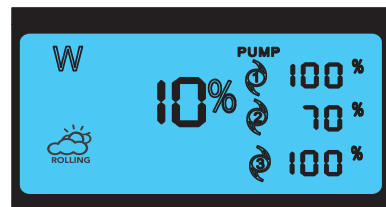
To turn Daily Weather ON/OFF

1. Press Weather % and hold for 5 seconds, "W" will appear on display indicator daily weather is turned on.
2. Press Weather % and hold for 5 seconds to turn off, "W" will disappear from display.



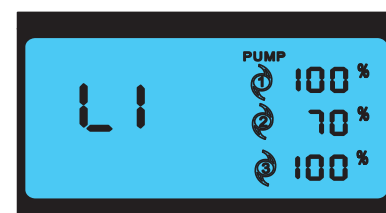
To Program Daily Weather

1. Press Weather % and hold for 5 seconds, "W" will appear on display indicator daily weather is turned on.
2. Press Weather pattern desired, choose either Rolling Cloud , Random Cloud , Lightning Storm or Full Storm with Lightning .
3. Press the Hour + or Minute - to change forecast from 10% to 50%.
4. Press ENTER , weather is now programmed and will run during Daytime.



Programming Daylight Color Spectrum

1. Press Daylight , L1 will appear on display. Adjust color by pressing Red, Green, White and Blue arrow keys. The R,G,B,W and % intensity will appear on main display.
2. Once desired color spectrum is achieved, press Daylight for 5 seconds, E1 will display, indicating spectrum is saved.



Color Adjustment - Press to adjust Red/Green/Blue/White color spectrums 0-100%

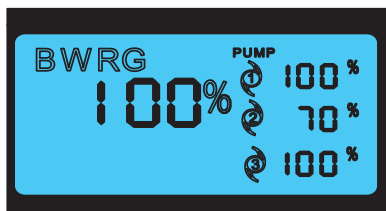


Programming Sunrise & Sunset Color Spectrums

1. Press Sunrise/Sunset , L2 will appear on display. Adjust color by pressing Red, Green, White and Blue arrow keys. The R,G,B,W and % intensity will appear on main display.
2. Once desired color spectrum is achieved, press Sunrise/Sunset for 5 seconds, E2 will display, indicating spectrum is saved.

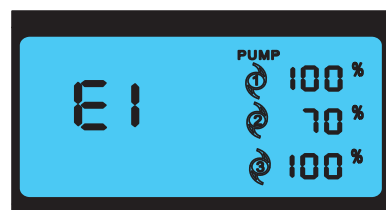
Programming Moonlight Color Spectrum

1. Press Moonlight , L3 will appear on display. Adjust color by pressing Red, Green, White and Blue arrow keys. The R,G,B,W and % intensity will appear on main display.
2. Once desired color spectrum is achieved, press Moonlight for 5 seconds, E3 will display, indicating spectrum is saved.



Programming Custom Color Spectrum

1. Press M (Memory) , L4 will appear on display. Adjust color by pressing Red, Green, White and Blue arrow keys. The R,G,B,W and % intensity will appear on main display.
2. Once desired color spectrum is achieved, press Memory for 5 seconds, E4 will display, indicating spectrum is saved.



NOTE: You MUST press ENTER/RESUME to put controller back into timer mode.






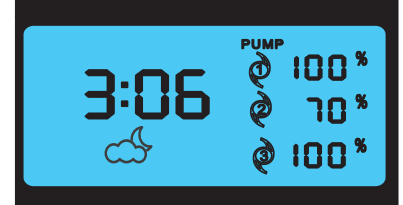
Orbit® Marine LED Light

Programming Guide






On Demand Dynamic Modes

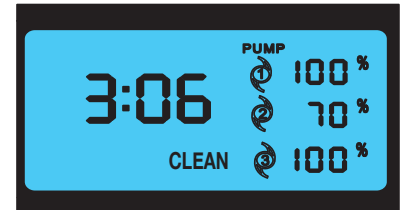
Moonlight Modes

1. Press either Full Moon  or Fading Moon  to activate on-demand moonlight. Program will run 30 minutes, then resume into normal programming.
2. To exit On-Demand program, press .





Weather Modes

1. Press either Rolling Cloud , Random Cloud , Lightning Storm , or Full Storm with Lightning  to activate on-demand weather. Program will run 30 minutes, then resume into normal programming.
2. To exit On-Demand program, press .




CLEAN Mode




1. Press CLEAN  to activate color spectrum for cleaning tank. Program will run 10 minutes, then resume into normal programming.
2. To exit On-Demand program, press .

PUMP Programming


Turning all pumps on/off

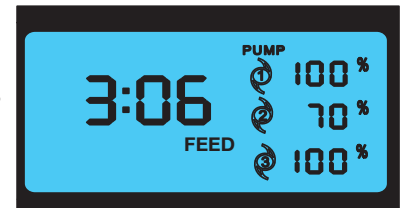
Press the Main On/Off key  to turn all of the pumps and pump display on or off. When pump and lights are on, LEDs on display will illuminate. If all pumps are turned off, all LEDs on display will be off.

Turning individual pumps on/off

To individually turn each pump on or off, hold the designated Pump Key    for 5 seconds. Pump will turn on or off.

FEED Mode

To set all pumps into feeding mode, press the FEED Mode key . Wave Pumps 1&2 within the LOOP network will go into idle speed for 10 minutes. After 10 minutes, the pumps will ramp back into their previously programmed flow mode. LED rate display will blink on/off during FEED Mode.



Flow Pump #3 and any additional Flow Pumps within the network will ramp down to a 30% stream flow rate speed for 10 minutes. After 10 minutes, the pumps will ramp back into their previously programmed flow mode.



Orbit® Marine LED Light

Programming Guide

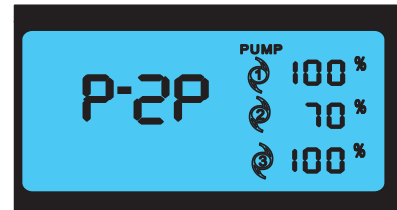
eFlux Wave Pump Programming

Step 1: Designate pump to program (1, 2, or 3)

Press the pump you desire to program by pressing the designated pump key.



Pump icon will illuminate and blink on display.



P2P = Pump # 2, Wave/Pulse Mode, 70% Flow

Step 2: Program water flow mode

Press the FLOW mode you wish to run the pump in by pressing the designated flow key.



Main display will illuminate as follows:

P = Pump

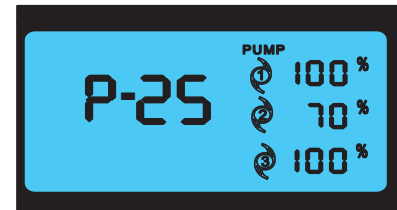
1,2,3 = Indicates Pump # being programmed

P = Pulse/Wave Mode

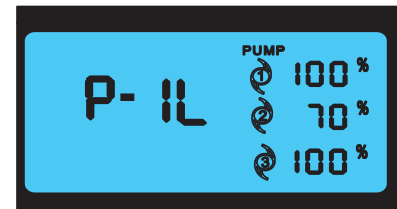
L = Stream Mode

S = Surge Mode

For Example - P1L = Pump #1 in Stream Mode



P2S = Pump # 2, Surge Mode, 70% Flow



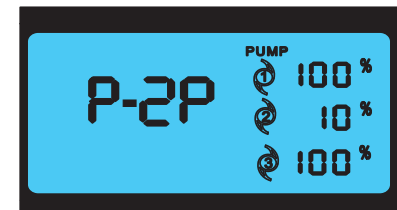
P1L = Pump # 1, STREAM Mode, 100% Flow

Program the maximum FLOW

Press the increase/decrease FLOW keys to adjust the pumps maximum flow rate until you have reached the desired flow. Flow rate will illuminate on the display.



The RATE display will show the flow from 0-100% in 1% flow increments.



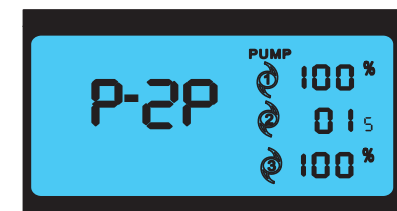
P2P = Pump # 2, Wave/Pulse Mode, 10% Flow

Designate FREQUENCY setting

If programming the pump in either SURGE or WAVE mode, adjust the FREQUENCY setting by pressing the increase/decrease FREQ keys until the desired frequency/duration is reached.



The frequency will show in seconds.



P2P = Pump # 2, Wave/Pulse Mode, 0.1 Seconds

Note: Decreasing FREQUENCY shortens the time duration between min/max flow. It will appear opposite in your aquarium (lowering frequency/duration will increase wave motion).

Your setting will automatically be saved into memory after 10 seconds.

No keys need to be set to save your settings. You can also press ENTER






Orbit®Marine LED Light

Programming Guide

Designating Primary/Secondary Pump

Press pump #2 

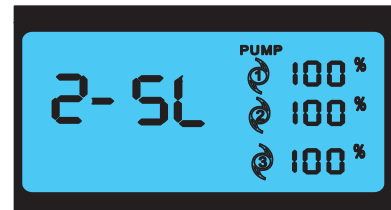
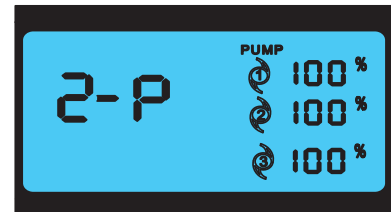
Press P/S for 5 seconds to designate Pump #2 as a Primary Pump or Secondary (Slave) Pump:
P = Primary (runs on its own program)

S = Secondary (slave), runs opposite of Pump #1

Display will read as Follows:

2-P = Pump#2 Primary

2-SL= Pump#2 Secondary



IMPORTANT WARNINGS | SAVE THESE INSTRUCTIONS

This is NOT a page of legalese. It contains important safety information that you should read and save for future reference. Remember you can always quickly access instructions for all our products at www.current-usa.com.

- Never attempt repairs yourself; return the appliance to an authorized service facility for service or discard the appliance.
- Carefully examine the fixture after installation and BEFORE you plug it into the GFCI wall outlet. Be sure there is no water on any part of the light fixture or the timer.
- Never plug in a wet cord. If a plugged in unit or socket does get wet, DON'T touch it. Instead, promptly disconnect the fuse or circuit breaker that supplies power to the fixture. Then, you may unplug the fixture and examine for the presence of water.
- Never operate a fixture that is damaged or malfunctioning, discontinue use immediately and return the appliance to an authorized service facility.
- Close supervision is necessary when any appliance is used by or near children.
- Always unplug the fixture when not in use, before putting on or taking off parts, and before cleaning. Never pull the cord to unplug from the GFCI.
- Do not use the fixture for anything other than intended use. The use of attachments not recommended or sold by the fixture manufacturer may cause an unsafe condition and will void your warranty.
- Do not install or store the fixture where it will be exposed to the weather or to temperatures below 0° Celsius or 32° Fahrenheit.
- Do not operate at temperatures above 50° Celsius or 122° Fahrenheit.
- Ensure the fixture is securely installed before supplying power to the unit.
- Read and observe all the important notices and warnings on the fixture and power cord. DO NOT REMOVE THE WARNING LABEL.
- If an extension cord is necessary, a cord with a rating at least 15 amperes should be used. A cord rated for less amperes or watts than the fixture rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
- Do not look directly into the LEDs.

eFlux Pump Warning

- Do not install pumps where strong currents can harm animals. Do not install close to sand bed where it will suck/stir sand particles.
- Pumps can produce powerful wave action in both wave and surge modes. Ensure your aquarium is designed for wave pumps and ensure pumps are mounted low enough not to push water out of the aquarium.
- Magnet mounting assembly is VERY powerful. Be cautious NOT to cause injury with fingers.
- Keep magnets out of reach of children.
- Never place magnets or pump near sensitive electronics, sharp objects or other attractive surfaces.
- Never run eFlux water pumps dry or out of water
- Always place spacer between magnets when not in use.
- Always unplug with dry hands for maintenance or servicing.
- Always use a 24VDC UL® or ETL™ power supply per pump.
- Turn controllers OFF and disconnect power before performing any service or maintenance.

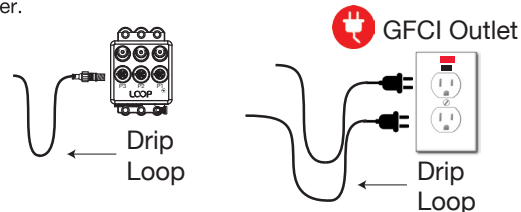
This product MUST be powered with a UL® or ETL™ power supply. To avoid possible electric shock, power supply MUST be plugged into a GFCI wall outlet installed and grounded in accordance with all appropriate codes and ordinance. All products plugged into an AC power outlet or DC manifold MUST have a drip loop (see above.)



SAVE THESE INSTRUCTIONS.
Register this product at www.current-usa.com

Important Warnings | Drip Loops

Drip Loops should always be used to help prevent water from traveling along the cord and coming into contact with an electrical outlet. Drip loops must always be below the level of the outlet. If the plug or outlet does get wet, DO NOT TOUCH the cord. Disconnect the fuse or circuit breaker that supplies power to the system. After disconnecting the power, unplug and examine for the presence of water.

**Current USA, Inc. One-Year Limited Warranty**

Current USA, Inc. ONLY warrants products purchased from authorized dealers. If your product was purchased through an unauthorized dealer, Current-USA, Inc. provides no warranty and any warranty claims MUST be done through your retailers.

Current USA, Inc. warrants this product against defects in materials and workmanship of a period of ONE (1) YEAR from the date of original retail purchase and is not transferable.

Warranty on all Products, including Aquariums, is limited to replacement of the product and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage arising from the use of this product.

Note: Current-USA, Inc. One-Year Limited Warranty does not cover damage caused by the following: improper installation, saltwater corrosion, electrical surges, or modifications.

If you discover a defect, please see your retail store or point of purchase. Current USA, Inc. will, at it's option, repair or replace the product at no charge to you, provided you return it during the warranty period. A copy of the bill of sale is required as proof of original purchase date in the event the product needs repairs within the warranty period. Please see your dealer for return options and warranty replacement parts. This warranty applies only to products by or for Current USA, Inc. that can be identified by trade name, or logo affixed to them. Current-USA, Inc. does not warrant any products that are not Current-USA, Inc..

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