

# eFLUX

## Wave Pump Kit

### Quick Start Guide



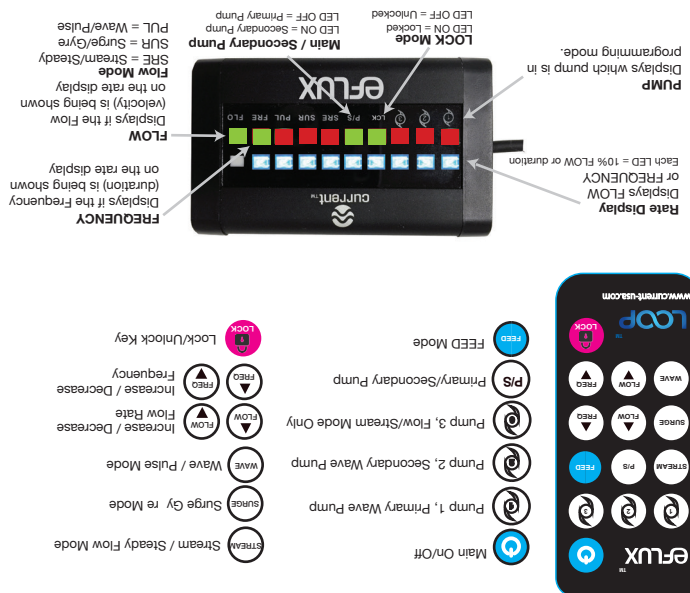
www.current-usa.com

### Getting Started

**THANK YOU**  
For Getting in the LOOP  
For step-by-step video instructions, visit our  
website at [www.current-usa.com/videos](http://www.current-usa.com/videos)

### Before Installation & Overview

**Follow all safety instructions and warnings included with this product.**



### Wave Pump Installation

#### Safety Warnings and Guidelines



**Follow all safety instructions and warnings included with this product.**

eFlux wave pumps create a tremendous amount of water flow. DO NOT install pump where the strong current can harm corals or animals.

Do not install pump close to the sand bed where it can stir or suck up debris.

eFlux wave pumps can produce powerful waves in both surge and wave mode. Ensure your tank is designed for wave pumps and ensure pumps are mounted low enough not to push water out of the aquarium.

Magnet assembly is powerful. Be cautious not to cause injury to fingers.

Keep out of reach of children.

Never let pump run dry or out of water.

Always disconnect from power for cleaning or service.

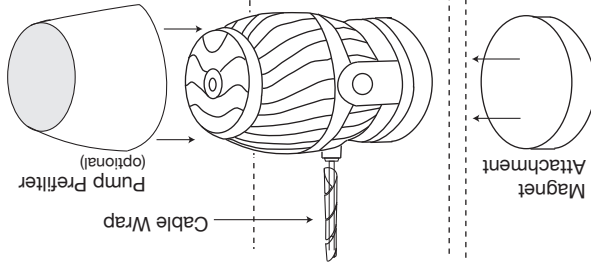
Ensure only to use 24V DC power supply plugged into a GFCI approved outlet with drip loop installed.

Please visit [www.current-usa.com](http://www.current-usa.com) for warranty information.

**STEP 1**  
Choose a mounting location inside the aquarium vertical wall for your pump. Clean location of any dirt, algae or calcium deposits.

**STEP 2**  
Cut 6" of included cable wrap and install around inside pump cable by wrapping it around the cord.

**STEP 3**  
Carefully separate magnet from pump by sliding and attach using outer magnet. Swivel and adjust pump to optimal position. Slide optional pump prefilter over front of pump.

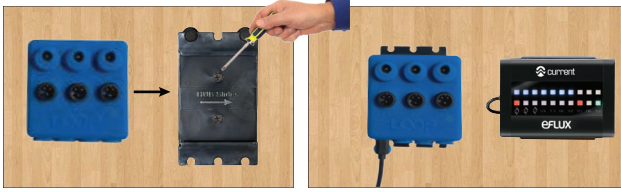


**TIP:** Cable wrap protects the pump cable from inverts that can damage cord, pump prefilter protects the impeller from large debris & inverts.

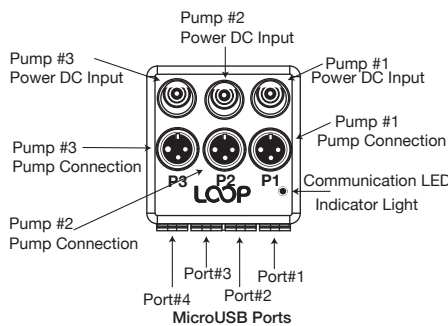
## LED Display & Manifold HUB Installation

### STEP 4

Choose a clean, dry location to mount manifold HUB and wave pump LED display. Screw mounting clips for HUB and LED display into stand location. Slide HUB and wave pump LED display into mounting clips.



Before connecting cables, please review the following specifications and connections:



#### Pump Connections:

**P1 Pump#1:** Main/Primary Wave Pump  
**P2 Pump#2:** Secondary (Gyre) Wave Pump  
**P3 Pump#3:** Steady/Stream Wave Pump\*  
 \*Operates only in stream mode

#### Micro USB Ports:

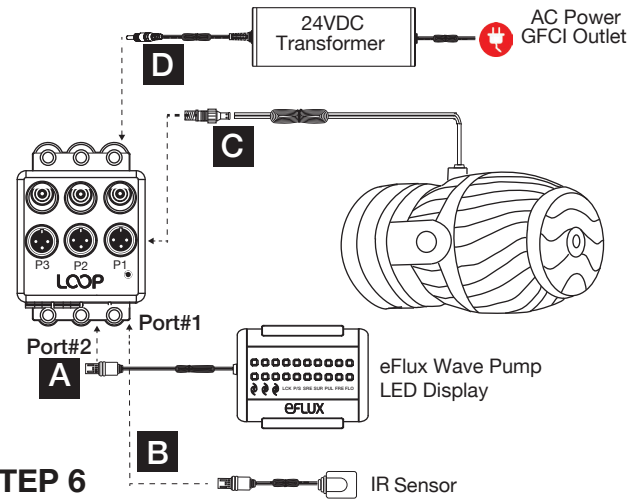
Port#1= Communications  
 Port#2= LED Display ONLY  
 Port#3= Communications  
 Port#4= Communications

Max. Pump DC Inputs Voltage: 24V DC  
 Max. DC Input per Channel: 72w@24VDC  
 Max. DC Output per Channel: 60w@24VDC

### Step 5

Connect cables in the following order:

- A** LED Display micro USB cable into Port#2
- B** IR Sensor micro USB cable into Port#1
- C** eFlux Wave Pump into P1 Pump Connection
- D** 24V DC cable into P1 Power DC input



### STEP 6

Plug 24V DC transformer into GFCI outlet. Indicator LED light will turn on. Use velcro wraps for cables.

### STEP 7

Remove clear tab from remote. Press main power key. Pump will turn on in default setting Stream MODE, 100% flow.



## Programming & Control Instructions

### STEP 8

Choose Flow Mode

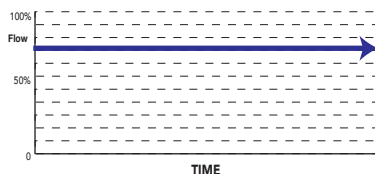


Use caution when operating pumps in wave or surge mode



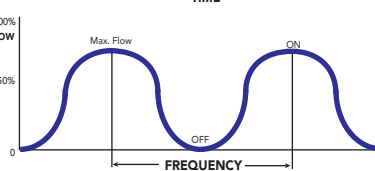
#### STREAM/STEADY MODE

Steady, constant flow stream adjustable from 0-100%. Mimics strong water currents, provides excellent circulation tank wide.



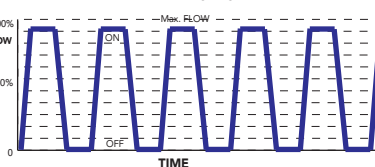
#### SURGE/GYRE FLOW

Alternates a slow ramp up/down Mimics surging water currents Flow adjustable from 0-100%, frequency 10-90 seconds.



#### WAVE/PULSE MODE

Alternates a short pulsing action Mimics wave type action. Flow adjustable from 0-100%, frequency 0.3 to 7 seconds.



### STEP 9

Main Pump Controls

**POWER** - Press the Main Power key to LED display and all pumps ON/OFF. To turn individual pumps ON/OFF, press the designated pump key and hold for 5 seconds.

**LOCK/UNLOCK** - Press the LOCK key to lock settings. LCK will display on display. To unlock settings, press LOCK key for 5 seconds. NOTE: Remote will ONLY work when unlocked.

**FEED** - Press the FEED key to temporarily turn pumps off for feeding. Pumps will return to normal setting after 10 min.

**GYRE** - Press Pump#2 key then press the P/S key to designate Pump#2 as a primary or secondary pump. When Pump#2 is in secondary mode it will run the opposite of Pump#1 program (operating in tandem).

Press Pump#2 key and press P/S key again to return Pump#2 to primary (independent mode).

### STEP 10

Program Flowrate and Flow Mode

Press designated pump key to program specific pump. Pump # will light on display.

Press designated mode key to choose flow mode. Flow mode will light on display.

Press flow keys to change the flow speed. 10% increment will light on display.

Press frequency keys to change the frequency in SURGE or WAVE mode. Rate of frequency will light on display.



FLOW mode designation, LED turns on.  
 SRE = Stream/Steady  
 SUR = Surge/Gyre  
 PUL = Wave/Pulse

