

WATER WONDERS™

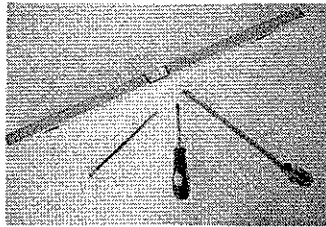
www.bluworldusa.com

### Serrano Horizontal Instruction Manual

Welcome to the Bluworld/Water Wonders family. A few simple steps will ensure that your Serrano Water Feature remains a soothing, enjoyable fountain that brings the sight and soothing sounds of falling water to you.

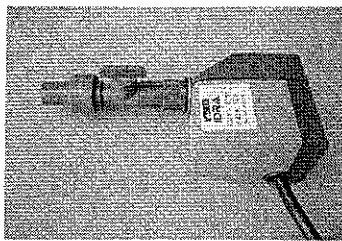
#### Tools Required:

Level  
Pencil  
Phillips Screwdriver  
Measuring Tape

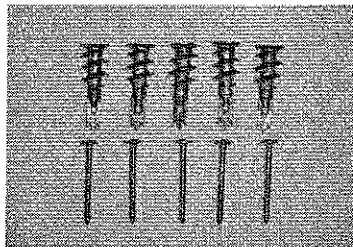


#### Parts List:

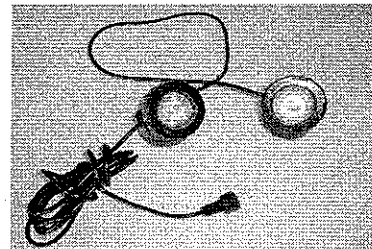
- A. 1 x Idra Pump
- B. 5 x EZ Anchors
- C. 1 x Pair of 10 Watt Halogen Submersible Lights
- D. 1 x Transformer for Submersible Light
- E. 2 x Sets of Colored Light Covers
- F. 1 x Mounting Bracket
- G. 1 x Splash Guard
- H. EVA Pads



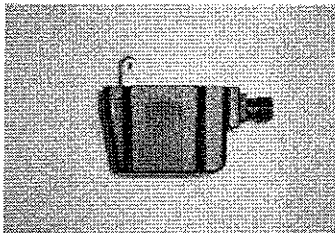
A.



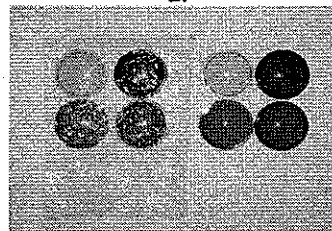
B.



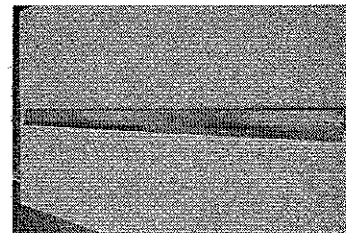
C.



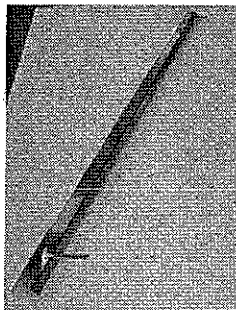
D.



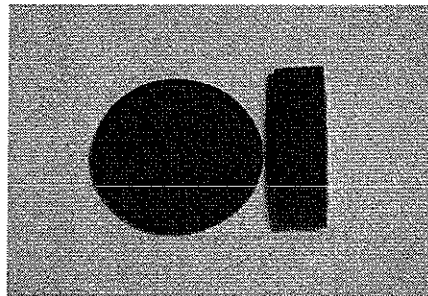
E.



F.



G.



H.

## Assembly:

### 1. Decide where you want to install your fountain.

**\*\*It is critical that your waterfall is level as this will ensure even water flow.\*\***

- a. Because of the relatively light weight nature of your new fountain, it is not necessary to mount it directly into wall studs.
- b. Mount indoors only and in a place that is not in direct sunlight.
- c. We recommend you install your waterfall above an electrical outlet. A Ground Fault Interrupt (GFI) outlet with an internal circuit breaker is preferred.

### 2. Marking The Waterfall Location

- a. Locate your Level.
- b. Draw a line on the wall indicating the top of the waterfall. See Fig 2.A. Measure from the line down approximately 10 ½ inches and draw another line to indicate the bottom of the wall bracket. See Fig 2.B Using a level, hold the Mounting Bracket (F) to the wall with the top angled towards you. Mark both mounting holes on the wall. Remember to double-check your measurements. See Fig 2.C & 2.D

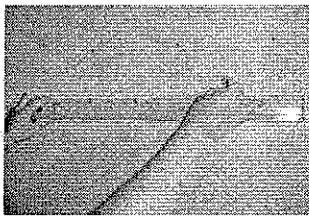


Fig. 2.A

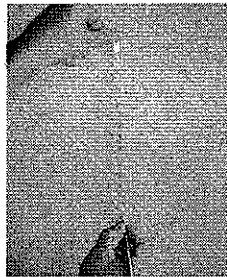


Fig. 2.B

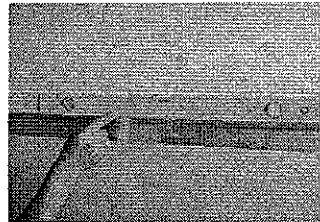


Fig. 2.C



Fig. 2.D

### 3. Mounting the Wall Bracket

a. To install the 5 x EZ Ancors™ (B) , Gently tap or press the tip into the drywall and slowly screw the anchors into the wall. See Fig 2.A. Make sure the flat side of the anchor is flush with the wall. Do not over-tighten the anchors as this will render them ineffective, as well as damage the drywall. If you encounter a wall stud while installing an EZ Ancor™ (B) , use the mounting screw without the anchor. See Fig 2.B When using anchors, you must use the provided EZ Ancors™ (B) . Each EZ Ancor™ (B) has a weight capacity of up to 50 pound. Plastic anchors are not an acceptable substitute.

b. Install the Mounting Bracket using the 5 x 1" screws provided. Correctly installed wall bracket see Fig 2.C.

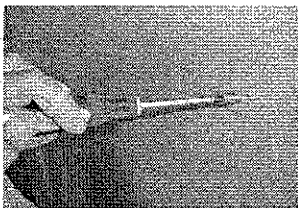


Fig. 3.A

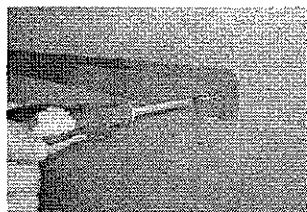


Fig. 3.B

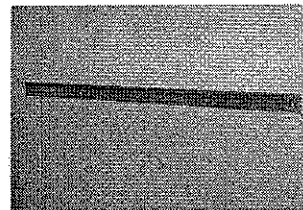


Fig. 3.C

### 4. Installing and Operating The Waterfall

a. Unwind the Pump (A) and light cords (C&D) and run the wire for the light (C) up and over the back of the reservoir from behind the mirror. Fig 3.A. Place EVA (H) pads behind the fountain on the lower left and right hand side of the fountain. See Fig 4.B and 4.C. Lift your waterfall into place and engage the brackets (F) by lowering it onto the Wall Bracket (F).

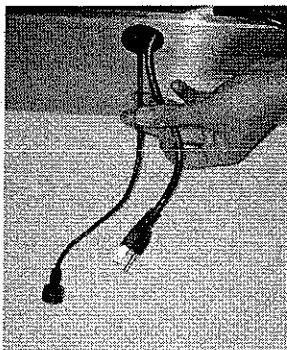


Fig. 4.A

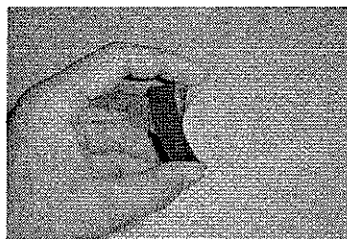


Fig. 4.B

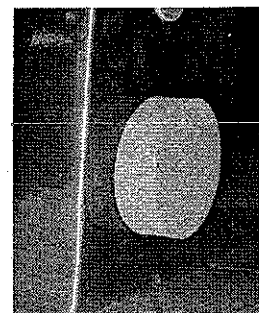


Fig. 4.C

b. Install the splash guard (G) by sliding it into place as shown in the illustration below. See Fig 4.D & 4.E.

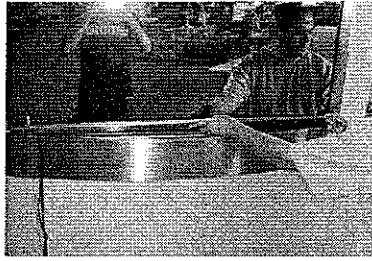


Fig. 4.D



Fig. 4.E

c. After mounting your Serrano to the wall, fill with water. Note: Water level must be maintained at least 1/2" above the pump (A). If water level drops below the pump, damage may occur.

d. After filling the fountain with water, plug pump into the wall. As water begins to flow down the surface, guide the water with your hand or use a non-abrasive sponge until the water flows evenly over the entire waterfall surface. It may take a few minutes for the water to cover the entire waterfall surface. See Fig 4.F

e. To adjust water-flow, simply turn the valve located inside the base to create the desired water-flow effect.

f. Install Rock Tray and Header. See Fig 4.G & 4.H.

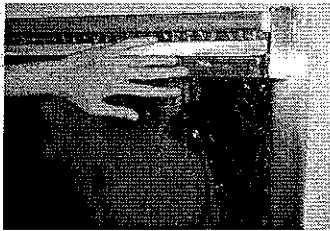


Fig. 4.F

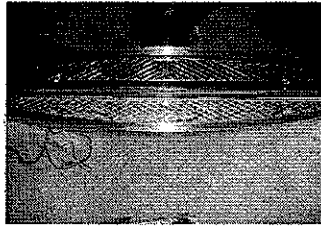


Fig. 4.G

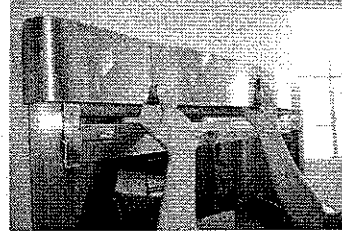


Fig. 4.H

#### 5. Light Operating Instructions:

a. Locate the light transformer (D) and the light wire lead. Plug in light wire (C) to transformer (D). See Fig 5.A - 5.C.

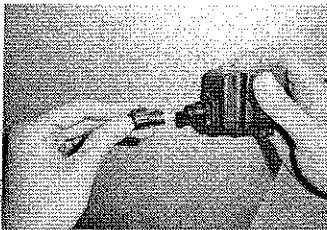


Fig. 5.A

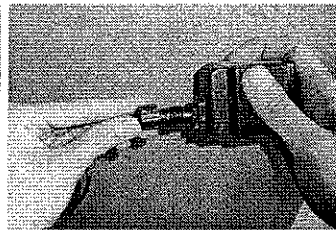


Fig. 5.B

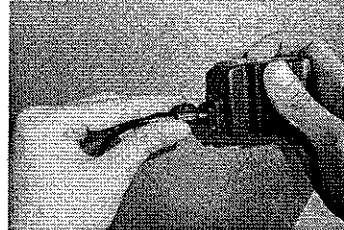


Fig. 5.C

b. If you would like to use a different color lens (E), see illustration. See Fig 5.D - 5. G

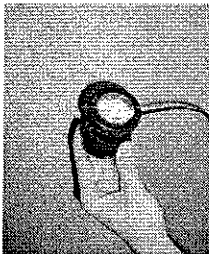


Fig. 5.D



Fig. 5.E

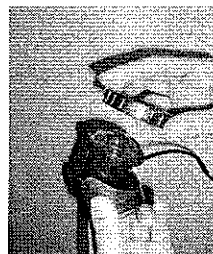


Fig. 5.F

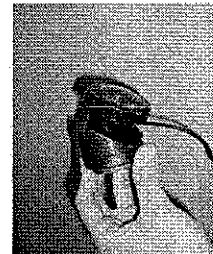


Fig. 5.G

C. To replace the 10 Watt light, see figure 5.H- 5.J

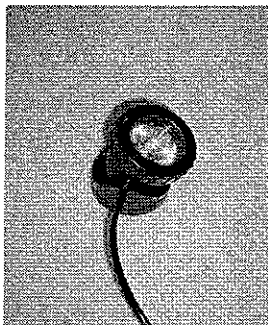


Fig. 5.H

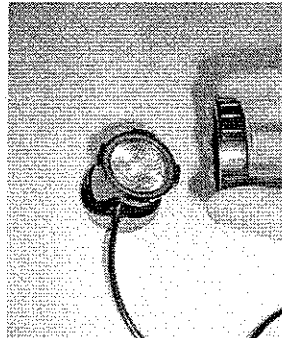


Fig. 5.I

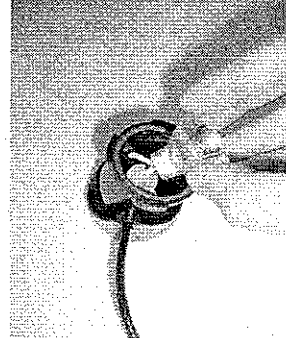
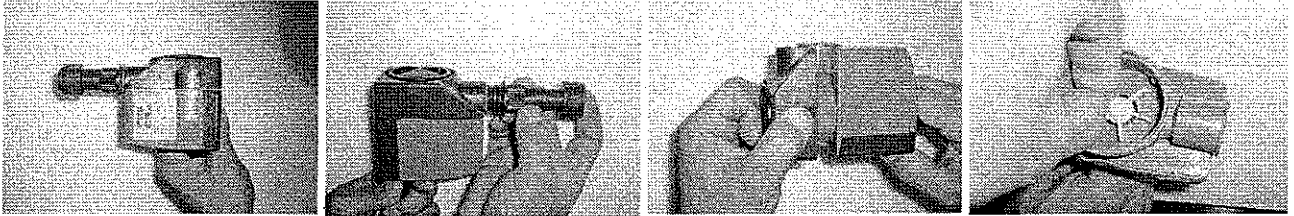


Fig. 5.J

## 6. Pump Maintenance

To clean your pump (A), simply remove the intake pre-chamber off as shown in the illustration. Installation is reverse of removal. Make sure there is no debris caught inside. Reassemble and reinstall. See Figure 6.A-6.D



### Maintenance Guide

By following some simple care and maintenance guidelines listed below, you can ensure that your water feature will give you years of reliable service.

### Water Maintenance

Throughout the world, our water sources vary greatly in terms of its mineral content. If you have hard water, this means that the mineral content is very high. In this case, you must pay extra attention to the care of your fountain as hard water can create calcium deposits which can hinder the performance of your water feature.

Below you will find a recommended maintenance checklist. By following this simple maintenance checklist, you can ensure that your new water feature will function reliably for many years. Since water sources vary in mineral content, frequency of maintenance will vary. For the first few months, it is important that you monitor your waterfall for any signs of mineral deposits and adjust your maintenance intervals accordingly. It is highly recommended that you use distilled water when filling your water feature as this can reduce maintenance intervals.

**\*\*Remember to unplug your waterfall before conducting any maintenance\*\***

**Recommended Hours of Operation:** We recommend that you allow your water feature to operate 24 hours a day.

**Reservoir:** Clean the inside of the reservoir thoroughly with a cloth every six months or as needed.

**Distribution Bar:** Should be removed, inspected, and cleaned every six months or as needed.

**Glass:** It is recommended that you wash the glass at least once every two weeks.

**Change/Add Water:** It is highly recommended that you add distilled water to the reservoir as needed. If you choose not to use distilled water, using Fountec™ a totally organic algae removing and preventative additive, in conjunction with Protec™, an all natural mineral deposit preventative additive, together will keep your waterfall running clean. For your convenience, we offer both of these products and they are readily available. Please contact our friendly service department for more details.

**Safety** It is always recommended that all Bluworld waterfalls use a surge protector or a Ground Fault Circuit Interrupter GFCI.

□

### LIMITED WARRANTY

BLUWORLD INNOVATIONS warrants this product to be free from defects in material and workmanship for 90 days from the original date of purchase by the consumer. This warranty is limited to the replacement of defective parts or components. In addition, the submersible pump is warranted by its manufacturer for a period of six (6) months against defective material and workmanship. All claims must be presented to the manufacturer along with the original purchase receipt to verify a valid warranty period. BLUWORLD INNOVATIONS will not be responsible or liable for any damage caused by negligence or misuse, goods damaged in transit, or improper set up, installation or assembly by the purchaser. Please read all instructions carefully. *Notice: Glass mirrors and plastics have prevalent characteristics such as bubbles, mirror rubs, slight discolorations, blurs, and hairline scratches. These are to be expected, as they are inherent qualities that meet or exceed federal specifications DD-G-451D*

If you have any questions regarding the set-up or maintenance of your fountain please call our customer service department at 407-427-7674.