



Double Vertical Instruction Manual

Welcome to the Bluworld/Water Wonders family. A few simple steps will ensure that your Water Wonders Water Feature remains a soothing, enjoyable fountain that brings the sight and sounds of falling water to you. It is strongly recommended that you keep these instructions in a safe place for future reference. Inspect for shipping damage immediately. Damage from shipping is to be immediately reported to the delivery agent. Do not operate unit if damaged.

Tools Required:

- Level
- Pencil
- Phillips Screwdriver
- Measuring Tape



Parts List:

- A. 1 x TP-2000 Pump
- B. 5 x EZ Ancors™
- C. 1 x Pair of 10 Watt Halogen Submersible Lights
- D. 1 x Transformer and Lead Wire for Submersible Light
- E. 1 x Mounting Bracket
- F. 1 x Pair of Header Shims
- G. 1 x Bag of Rocks
- H. Rock Tray



A.



B.



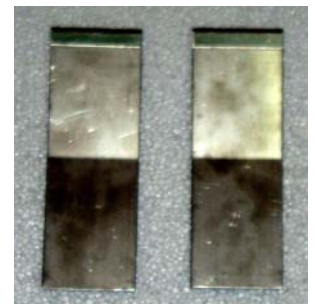
C.



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.****

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

2. Marking The Waterfall Location

- Determine the location on the wall for your waterfall. Hold up the assembled waterfall in your chosen location. Using a pencil, draw a light line on the wall indicating the top of the waterfall.
- Locate your level. Using the light line you drew from step A, measure from that line down approximately 9 inches and draw another line to indicate the bottom of the wall bracket. See Fig 2.B Using a level, hold the Mounting Bracket (E) to the wall with the top angled towards you. Mark the 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

- To install the 3 x EZ Ancors™ (B), Gently tap or press the tip into the drywall and slowly screw the anchors into the wall. See Fig 3.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 3.B When using anchors, you must use the provided EZ Ancors™ (B). Each EZ Ancor™ (B) has a weight capacity of up to 50 pounds. Plastic anchors are not an acceptable substitute.
- Install the Mounting Bracket using the 1" screws (B) 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) down behind the back of the reservoir. Connect the light accessory plug to the transformer lead wire (D) as shown in Fig 4.A. Unwind the cable strap for both the pump and the light. Then connect the other end of the transformer lead wire (D) to the transformer (D) and screw the water resistant fitting securely to the transformer (D) as shown in illustration 4.B-4.D. Be sure that the pump and light cord (A) extends below the waterfall. **DO NOT PLUG IN THE PUMP OR LIGHT AT THIS TIME!** Lift your waterfall into place and engage the brackets by lowering it onto the Wall Bracket (E) as shown in Fig 4.E & 4.F. After mounting your fountain to the wall, fill the reservoir with water. Plug in your fountain. 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.

Note: Water level must be maintained at least 1/4" above the pump (A). If the water level drops below the pump, damage to the pump may occur. The most important maintenance function of any fountain is to make sure that the fountain is full with water during operation. Running your fountain without water and in the process destroying your pump (A) will void your warranty on that component.



Fig. 4.A



Fig. 4.B



Fig. 4.C



Fig. 4.D



Fig. 4.E



Fig. 4.F

e. To adjust water-flow, simply turn one of the two valves located inside the base to create the desired water-flow effect. Fig 4.G

b. Install the Rock Tray (H) by sliding it into place as shown in the illustration below. Use the back of rocks (G) and fill rock tray. See Fig 4.H-4.J.



Fig. 4.H



Fig. 4.I



Fig. 4.J



Fig. 4.G

5. Light Operating Instructions:

CAUTION: THIS WATER FEATURE IS EQUIPPED WITH A LOW VOLTAGE HALOGEN FIXTURE. HALOGEN BULBS BECOME EXTREMELY HOT. WHEN REPLACING THE HALOGEN BULB, PLEASE BE SURE TO UNPLUG THE TRANSFORMER AND WAIT 30 MINUTES OR UNTIL THE BULB IS COOL ENOUGH TO TOUCH. PLEASE ALSO TAKE CARE NOT TO TOUCH THE BULB WITH YOUR FINGER OR GET IT DIRTY. THIS CAN DAMAGE THE BULB AND/OR REDUCE ITS LIFE EXPECTANCY.

Halogen Bulb Type: MR11 Only

Bulb replacement is a very simple procedure which requires the use of a phillips screwdriver. First, examine the light fixture very closely. Notice there are two upper and two lower screws. To replace the bulb, simply loosen, but do not remove, the two lower screws. Make sure to have your hand on the bulb to prevent it from falling on to the ground. Installation is reverse of removal. Note: Please be sure not to overtighten the bulb screws. See Fig 5.A- 5.C.



Fig. 5.A



Fig. 5.B



Fig. 5.C

6. Pump Maintenance

To remove pump simply lower the wire clip as shown in Fig 6.H and slide wire up and throw the opening located behind the water feature. 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.J-6.M.



Fig. 6.J



Fig. 6.K



Fig. 6.L



Fig. 6.M

Trouble Shooting

Problem	Cause	Solution
WATER NOT FLOWING	<ul style="list-style-type: none"> * Water Level in reservoir is too low * Pump's flow control valve may be closed * Algae creating blockage * Pump is clogged or malfunctioning 	<ul style="list-style-type: none"> * Fill reservoir until water level is 1/4" below the top of the reservoir. Make sure the pump is completely submerged under water. * Open flow control valve * Make sure outlet has power * Make sure hose is not kinked and the pump is securely connected to the waterfall plumbing. * Thoroughly clean reservoir, pump and water disperser bar. It is recommended you use Fountec™ algaecide to prevent the formation of algae. Call Customer Service to order Fountec™. * See pump Instructions for cleaning. If still not working, unplug waterfall and contact Customer Service.
WATER NOT FLOWING EVENLY ON PANEL	<ul style="list-style-type: none"> * Water pump is running but air is in the line * Pump pressure too low * Pump is clogged or malfunctioning 	<ul style="list-style-type: none"> * Wait a couple of minutes until * Open the pump's flow control valve * See pump Instructions for cleaning. If still not working, unplug waterfall and contact Customer Service.
NOISY PUMP	<ul style="list-style-type: none"> * Water level too low * Mineral deposits in pump * Pump not positioned properly 	<ul style="list-style-type: none"> * Fill water reservoir so pump is completely submerged under water. * See pump Instructions for cleaning. If still not working, unplug waterfall and contact Customer Service. * Make sure the rubber feet or pump padding is positioned properly underneath the pump and on the bottom of the reservoir.

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.