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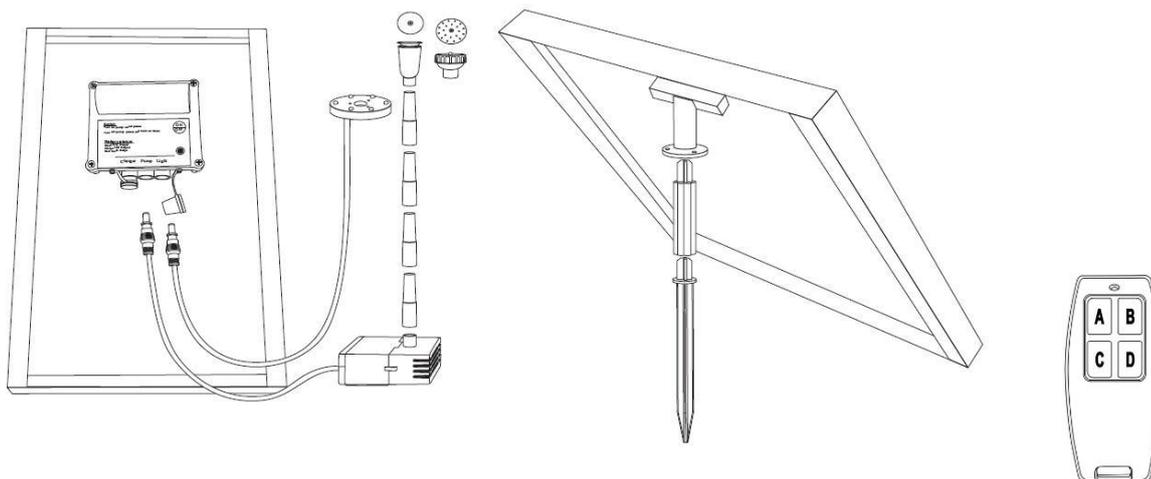
We stand behind our brand and the quality of the items we sell. We will send new parts, or replace products at our discretion within the 1-year warranty period. Before we can help, you will need to provide proof of purchase with the date of purchase and photos of the defective merchandise. We will use the photos to determine the cause of defect and for future quality control.

## REMOTE CONTROL SOLAR PUMP KIT MANUAL

These instructions contain important information for using the product for the first time. Please keep this instruction for later reference. They should always accompany the product in the Event of transfer a new user.

### 1 OVERVIEW

- 1.1 The solar pump is designed for fountains, ponds or outdoor use. In order for the solar pump to operate, the solar panel needs to be in direct sunlight.
- 1.2 This solar pump is equipped with a battery pack, and can be switched on and off by a button on the control housing. In the evening, there are four built-in white LEDs that will light up automatically to enhance the beauty of the water.



### 2 ASSEMBLING AND USING YOUR PRODUCT

- 2.1 Unpack all components carefully.
- 2.2 Place the pump underwater and make sure that, it is fully immersed in water. In case the pump tube is too far from the surface of water, you can raise the pump by using stones or brick underlay.
- 2.3 Connect fountain heads and LED light as required
- 2.4 Adjust the water jet as needed
- 2.5 Connect the pump cable to the socket of the control housing on the rear side of the solar panel;
- 2.6 Connect the LED light (optional) cable to the socket of the control housing;
- 2.7 The solar pump is now ready to use.

### 3 CAUTION

- 3.1 Do not strike the solar panel
- 3.2 Do not lift the pump by the power cord
- 3.3 Operate in freshwater only

### 4 OPERATING INSTRUCTIONS

✧ **Remote control button:**

“A” button: Press this button to turn on the pump for 1-4 hours running. One press for one hour, two press for two hours, three press for three hours and four press for four hours. The indicator light will give you a feedback blink number your preset, eg: you preset 2 hours, the indicator light will blink twice a group. Press D button to turn off the pump.

“B” button: Press this button to turn on/off LED lights.

“C” button: Press this button to control the water lift, there are five level of the water lift.

“D” button: Press this button to turn on the pump without timer until battery use up, press this button again to turn off the pump.

✧ **Charge the battery:** Turn OFF the pump and charge the full solar energy to battery under direct sunlight.

✧ **Battery status:**

When pump is ON: The indicator light color indicates the battery status as below:

When pump is OFF: Press “C” button, the indicator light is blinking for 5 seconds to indicator the battery status as below.

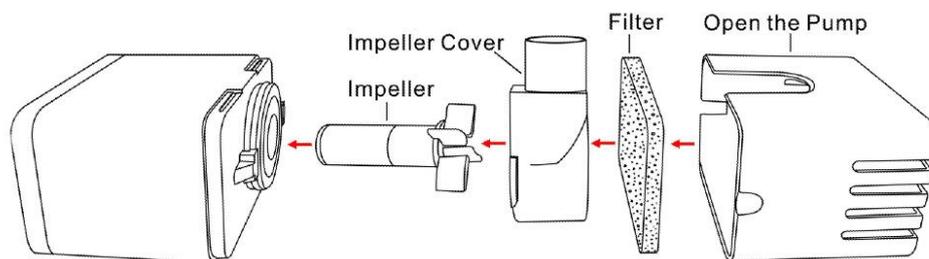
**Green:** battery is fully charged. Pump will run around 4-5 hours.

**Orange:** battery is half charged. Pump will run around 1-3 hours.

**Red:** battery needs charges. Pump will run less than 1 hour.

## 5 CLEANING AND MAINTENANCE

**Pump:** If, after a period of time, the pump starts to lose power or stops working check for the build up of sediment, scale or dirt in the filter. Remove the pump cover and the impeller cover. Clean them and the filter by fresh water.



**Solar panel:** The panel should be cleaned periodically with a soft tissue. Regular cleaning of the panel is advised to maintain optimum conversion of the sun’s energy into direct current.

## 6 FUNCTIONALITY PROBLEMS

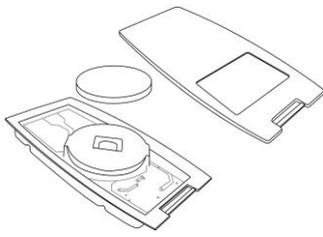
6.1 Pump does not operate even though the solar module is in full sunlight.

- No connection to the solar module – check connection to the solar module.
- Impeller is blocked – To clean the pump, remove the front plate and the impeller. Use a small brush or steam of water to remove any debris.

6.2 Pump does operate but there is no water running through the fountainhead check for the build up of sediment or scale in the tubes or the filter- cleans the tubes and the filter.

6.3 Press the remote control button, but no water shoots out:

- Check--The distance between remote control and the solar fountain might be beyond 10 meters or there may have major obstacle between remote control and the fountain unit.
- Check--If the LED on remote control does not light up when button is being pressed, replace the button cell battery inside.



Open the remote control back cover carefully.  
Replace the button cells by a fresh set according  
to polarity shown as diagram.

## 7 STORAGE

- 7.1 Please charge the battery for at least a day in direct sunlight when the first time using the solar pump or when you store the solar pump for a winter.
- 7.2 In order to keep the battery long life, please charge the solar pump to fully charge status and plug-out the pump from the solar panel before you store the solar pump into warehouse.

## 8 TECHNICAL DATA

Solar Panel:	7 W
Operation Voltage:	9V DC
Water Flow Max.	600LPH
Water lift Max.:	1.4M
Water Projection Height	Max. 0.8M
LED Light (optional)	4 LED white light
Cable Length	5M
Battery	Lithium battery 7.4V-4000mAH