

# User Manual

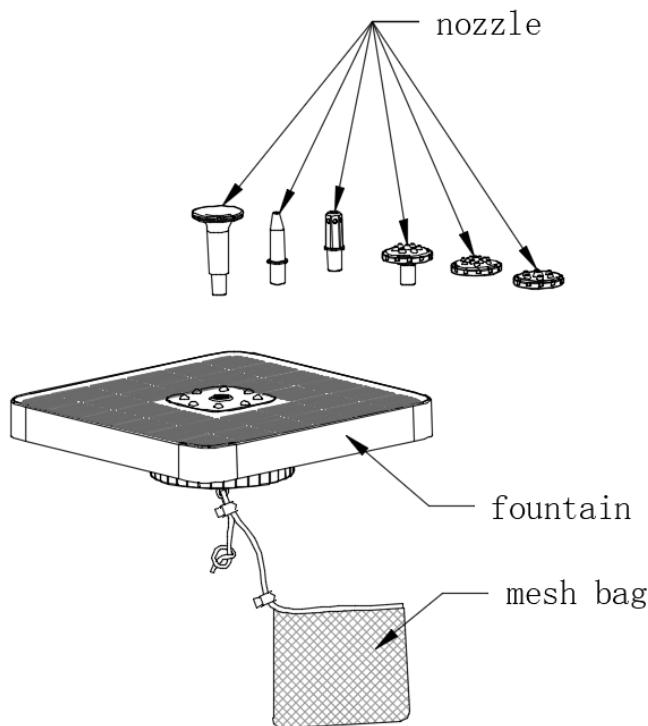
Model name: Solar Bird Bath fountain pump

Model number: FFP02

Instruction manual

Product Introduction:

(Line chart marks name)



- Nozzle installation diagram: (Mark: vertical insertion)
- Product usage:
  1. Place the product on the water surface of the bird bath or pond without obvious incline (incline <6 after air exhaust). The water surface should be submerged in the machine box, and the water pump should start to work when the light intensity meets the working requirements of the water pump.
    - (1) When the light intensity is greater than 8500LUX, the fountain will work normally; When the light intensity is greater than 27,000 LUX, the fountain sprays water at the same time the battery starts charging, and the spray height is 30~60 (cm).
    - (2) When the light intensity is between 500Lux and 8000 LUX, the pump will work intermittently.
    - (3) When the light intensity is less than 240LUX, the fountain will switch to night mode, the water pump will spray water stably, and the LED will light up in a colorful gradient. When the battery power is sufficient, it will be put to sleep after working for 4 hours.

- (4) The fountain is equipped with water shortage protection function. When the fountain leaves the water, the pump will stop working.
2. Different fountain effects can be achieved through different sprinkler heads.
3. Small stones can be loaded into the counterweight net bag, and the counterweight bag is suspended in a fixed position at the lower part of the pump
4. Supplement

Cleaning and maintenance:

1. It is recommended to clean the surface of the solar water pump every week. Dust and impurities may affect the working efficiency of the solar cells.
2. After a period of use, the panel will accumulate scale, affecting the working efficiency of solar cells. You can use citric acid, vinegar or scale remover mixed with tap water for scale cleaning. Rinse with tap water after cleaning to avoid contamination of water quality by residual substances.
3. Impurities and algae in the water environment may block the front filter cotton of the water pump. Use a screwdriver to remove the water inlet protection cover. Take out the pre-filter cotton and clean it, and then reinstall it.
4. If abnormal water flow is found in the sprinkler head, remove the sprinkler head for cleaning. Because the size of the nozzle hole is small, sharp tools can be used to dredge the blockage.

Cleaning and maintenance:

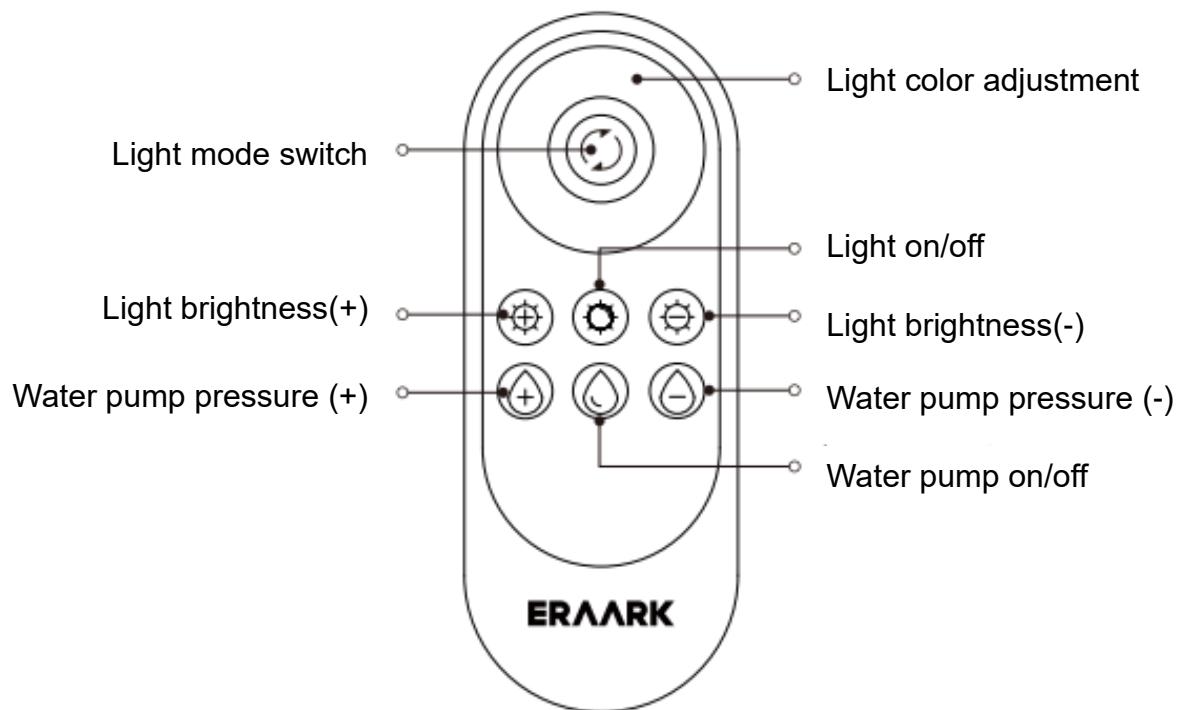
FAQ:

1. Can the solar water pump work on cloudy days or under shade?  
Solar cells need bright light to generate enough power, so they need to be in a bright place. The remote version can be charged by a polymer battery to help the pump work in low-light conditions. For details, refer to the product instructions.
2. Will water scarcity damage the water pump?  
No, the pump has the function of water protection, water shortage will stop automatically. The work can resume after being placed in water again.
3. How many hours can I work at night?  
During the day, when the polymer battery is full and the light is bright, it can work for four hours.
4. How to adjust the water flow if it is too big or too small?  
Different nozzle can be used to achieve different fountain effects, remote control version can be controlled by remote control water flow size.

Basic parameter information:

1. Host weight: 500g
2. Pump voltage: DC8V head: 75CM
3. Polymer battery capacity: 7.4V 1000mA/h
4. Solar cell: 4W 8V (test condition: incandescent 38000LUX).
5. The solar fountain is 10-60CM high.

## Remote controller function description



\*Only compatible with the remote controller pump version

**FCC COMPLIANCE STATEMENT:**

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received,  
including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the

receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

**Warning:** Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

**FCC Radiation Exposure Statement**

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.