

12W SOLAR FOUNTAIN WITH LED LIGHTS

User Manual



- If you have any problem, please feel free to contact us by phone or email, we will solve your problem within 24H.
- We provide 1 Year Warranty - Money Back Guarantee or Replacement if our product doesn't work

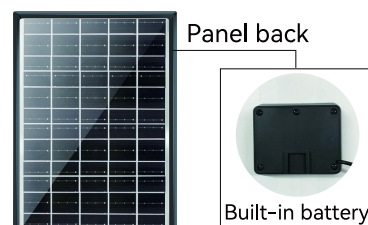


Overview

This product is powered entirely by solar energy—it requires direct sunlight on the solar panel to charge properly and operate the fountain.

Featuring a durable glass solar panel and a brushless pump, this solar fountain offers faster startup, higher efficiency, and strong stability. Equipped with a built-in battery and LED lights, it can even work at night. Ideal for birdbaths, fish tanks, small ponds, garden decoration, and water circulation for oxygenation, etc.

Components



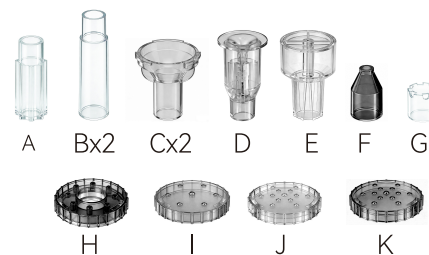
Solar panel



Water pump



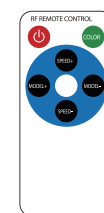
Stakes



Nozzle accessories



12 LED Light



Remote Control



PVC tubing

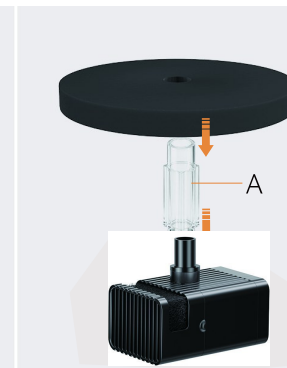


Foam cotton

How to assemble nozzles



1. Install stake to solar panel .



2. Connect 'A' to pump and place foam cotton.



3. Place LED light and Assemble nozzle.



4. Connect LED light cable to pump.



5. Connect pump to solar panel.



Note: The solar fountain pump with lights built-in light sensor, auto-on at dark & off in bright light.

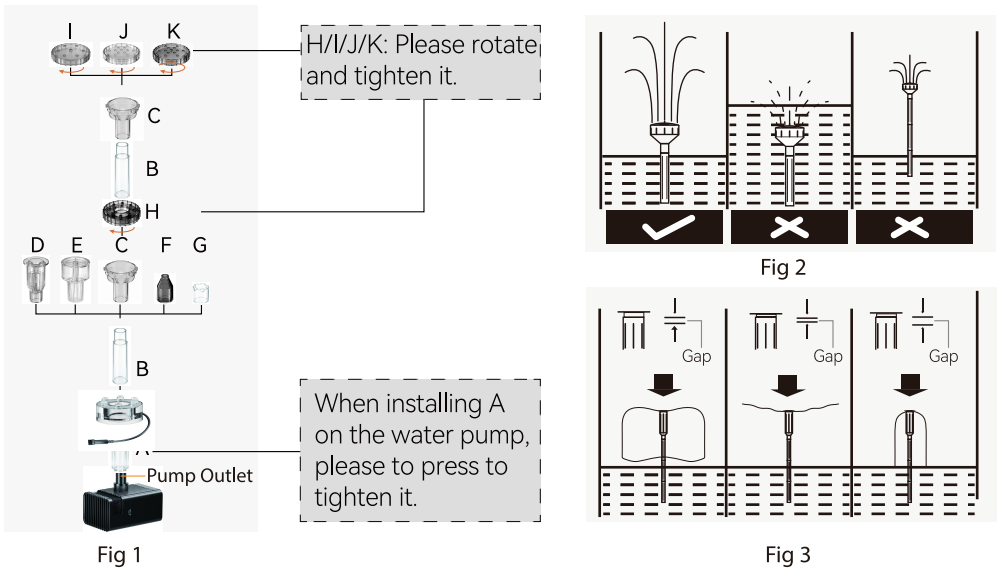
How to assemble PVC tubing



Making a water feature: Connect the pump outlet to the water inlet of a small garden water decorations with the PVC tubing.

Warm Tips:

- 1. Nozzle Installation. (Fig 1)
- 2. To maximize the height of the fountain spout, make sure the fountain head is above the water surface, as shown in Fig 2.
- 3. For an apple-shaped fountain head, the fountain nozzle should be far enough above the water surface to create an ideal apple-shaped fountain. To get your preferred apple size, press or lift the top of the spout to adjust the drain gap, as shown in Fig 3. The larger the drainage gap, the smaller the apple balls.

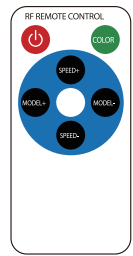


Light Control Auto-Sensing Function

12W solar fountain pump with LED lights are equipped with a photosensitive resistor for automatic on/off based on ambient light:

- ☀️ **Day Mode:** Automatically turns off when ambient light is sufficient (photosensitive voltage > 1.2V)
- 🌙 **Night Mode:** Automatically turns on when ambient light weakens (photosensitive voltage ≤ 1.2V)

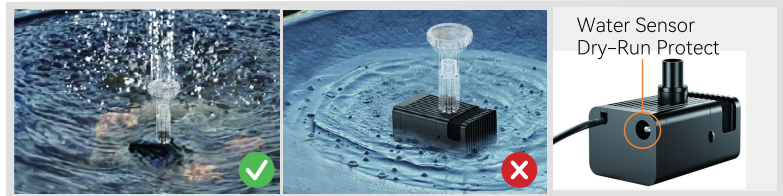
LED Remote Control Guide



Quick Notes
Memory Function: The LED light retains your last settings (color, mode, timer) for the next use.
Usage Note: Keep the path between the RF remote and the LED light clear of obstacles to ensure reliable control. Important: When removing the LED light, waterproof the pump-ring light **connector**. Wrap it with waterproof tape to avoid water ingress and electrical damage.

Button	Function Description	Details / Notes
POWER (Red)	Turn the LED light ON / OFF	Press once to switch power.
COLOR (Green)	Change fixed color manually	Each press switches one color in this order: Red → Green → Blue → Orange → Purple → Cyan (6 colors).
MODE +	Change RGB lighting mode (forward)	3 auto-change modes: 1. Red → Green → Blue 2. Orange → Purple → Cyan 3. Red → Green → Blue → Orange → Purple → Cyan
MODE -	Change RGB lighting mode (backward)	Same 3 modes as above, cycle backward
SPEED +	Increase color-changing speed	3 speed levels: 30 s → 15 s → 5 s
SPEED -	Decrease color-changing speed	3 speed levels: 5 s → 15 s → 30 s

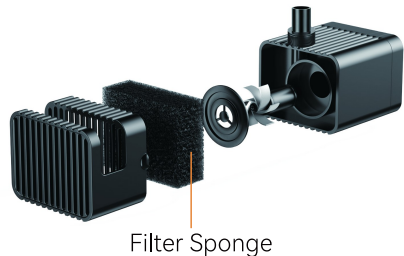
Water Sensor | Dry-Run Protect



- Dry-Run Protection:**
If the water level drops below the silver sensor, the pump stops automatically (Fig 4).
- Noise Warning:****If the pump makes unusual noise.**
- 1.Check if the water level is insufficient, refill water until the pump is fully submerged.
 - 2.Check if the pump is clogged, clean the pump:
 - ① Clean the filter sponge;
 - ② Clear the impeller;
 - ③ Flush the pipes.
 3. The pump needs to be cleaned regularly to avoid clogging with dust.

Cleaning and Maintenance

- 1.Disconnect the pump from the power.
- 2.Remove the pump front cover and the filter sponge.
- 3.Rinse the inside of the pump and the filter sponge to remove any debris.
- 4.Reassemble the pump and make sure the pump is fully submerged in water connect it again.
- 5.Expose the solar panel to direct sunlight to check if the fountain works.



Deep Cleaning (If light cleaning doesn't help)

- 1.Remove the rotor (impeller) and the white shaft from inside the pump.
 - 2.Wash all parts carefully, including the rotor and the white shaft.
- IMPORTANT: Make sure to press the white shaft firmly back into place.**
If not fully inserted, the pump may still not work.
- 3.Reassemble all parts in reverse order and connect the pump.
 - 4.Test again under direct sunlight.

How Battery Works

Time	Power Source	Key Rules
Daytime	Solar Panel + Battery	1.Strong sunlight (10:00-16:00): Runs nonstop + charges battery. 2.Weak light (cloudy/morning): Runs only if battery has charge (stops if battery is empty).
Nighttime	Only Battery	1.Runs 1-8h if battery was partially charged. 2.Runs 8-12h if battery was fully charged (6h strong sunlight).- Battery dies by end of night—needs recharging next day.

Trouble Shooting

Problem	Possible Cause	Solution
Pump not working	Dirty solar panel/ insufficient sunlight/ battery no power	Wipe solar panel, place in direct sun for a few hours and reposition if needed
	Clogged filter/pump	Clean filter box, filter material, pump, impeller to remove debris
	Pump not fully submerged	Ensure full submersion; add water if lacking
	Loose connection	Secure pump cable to solar panel
	Damaged power cord	Inspect and replace if damaged
Weak/ inconsistent spray	Insufficient sunlight/ cloudy weather/ battery low on power	Charge in strong sunlight.
	Clogged nozzle/ tubing/pump	Clean nozzle, tubing, filter, pump, impeller
	Loose nozzle connection	Secure nozzle connection/ replace with other nozzle.
Pump runs intermittently	Fluctuating sunlight (e.g., passing clouds)	Normal for solar pump if the battery has no power