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JULIAQUA E-50W

JULIAQUA Aquarium Heater with Temperature Display E-50W User Manual

Model: E-50W

Introduction

This manual provides comprehensive instructions for the safe and efficient operation of your JULIAQUA Aquarium Heater E-50W. This heater is designed to maintain optimal water temperatures in aquariums ranging from 5 to 50 liters, suitable for both freshwater and saltwater environments. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

Important Safety Information

- Always ensure the heater is fully submerged in water before connecting it to power. Operating the heater out of water can cause damage to the unit and pose a fire hazard.
- The external controller unit is **NOT waterproof**. Keep it dry and away from water splashes.
- Before performing any maintenance on the aquarium or the heater, always unplug the heater and all other electrical devices in the aquarium.
- Regularly inspect the heater and its power cord for any signs of damage. Do not use if damaged.
- This appliance is designed for indoor use only.
- Keep out of reach of children.
- The heater is equipped with overheating protection, which will automatically shut off the unit if it detects it is out of water or overheating.

Product Overview

The JULIAQUA Aquarium Heater E-50W consists of a heating element and an external temperature controller with a digital display. The heating element features a durable, insulated design suitable for both fresh and saltwater. The external controller allows for easy temperature adjustment and monitoring.



Image: JULIAQUA Aquarium Heater E-50W and its external temperature controller. The controller displays the current water temperature and the target temperature, with up and down buttons for adjustment.

Key Features:

- **Precise Temperature Control:** Adjustable range of 18°C to 35°C.
- **Digital Display:** Shows current water temperature and target temperature.
- **Automatic Operation:** Heater turns on/off to maintain set temperature, promoting energy efficiency.
- **Overheating Protection:** Automatically shuts off if not fully submerged or if internal temperature exceeds safe limits.
- **Durable Construction:** Insulated and encapsulated design, suitable for fresh and saltwater.

- **Honeycomb Protective Case:** High temperature resistant and removable for cleaning.



Image: A view of the heater's core, emphasizing its insulated and encapsulated construction, making it safe for use in both freshwater

and saltwater aquariums.

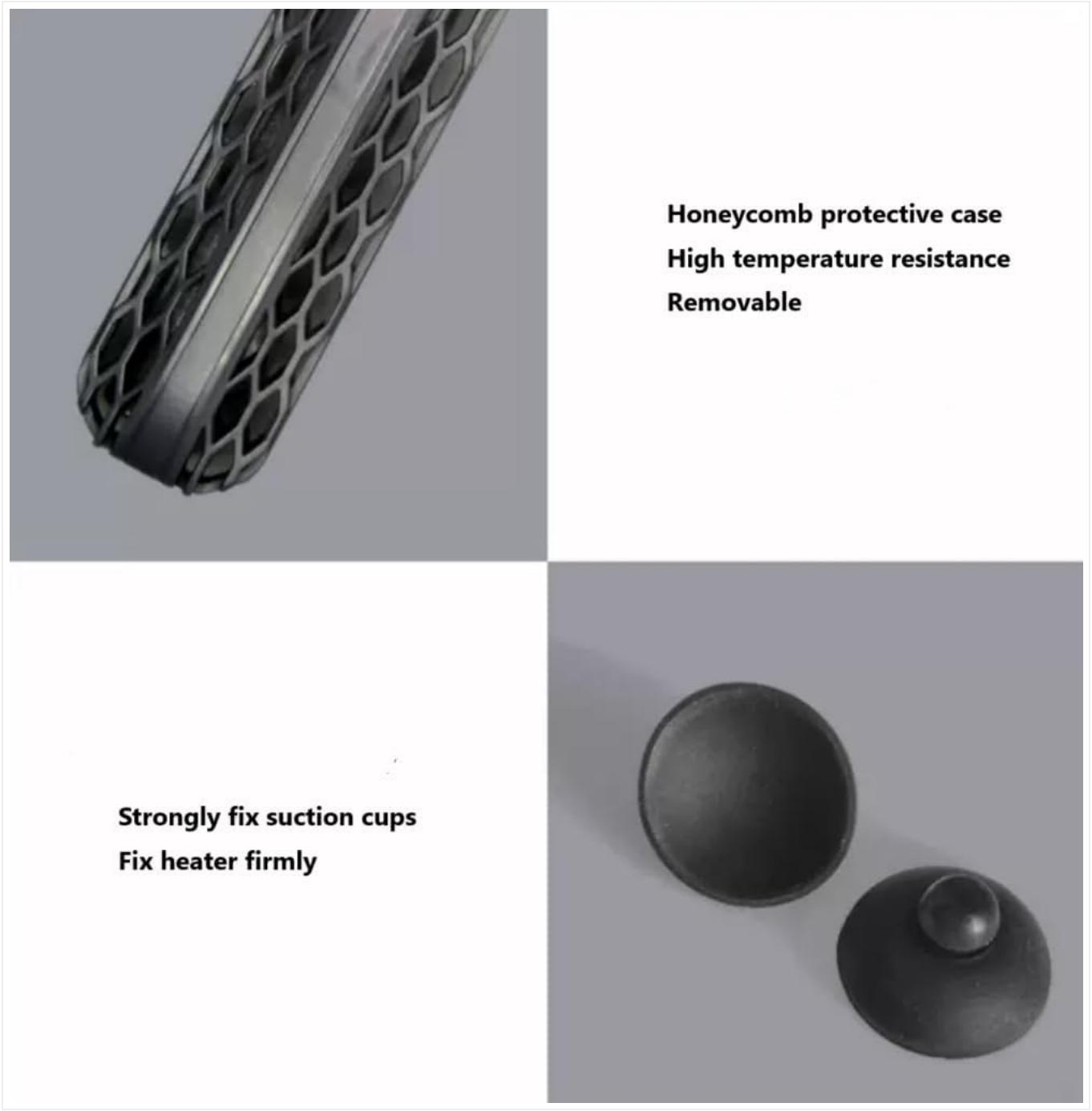
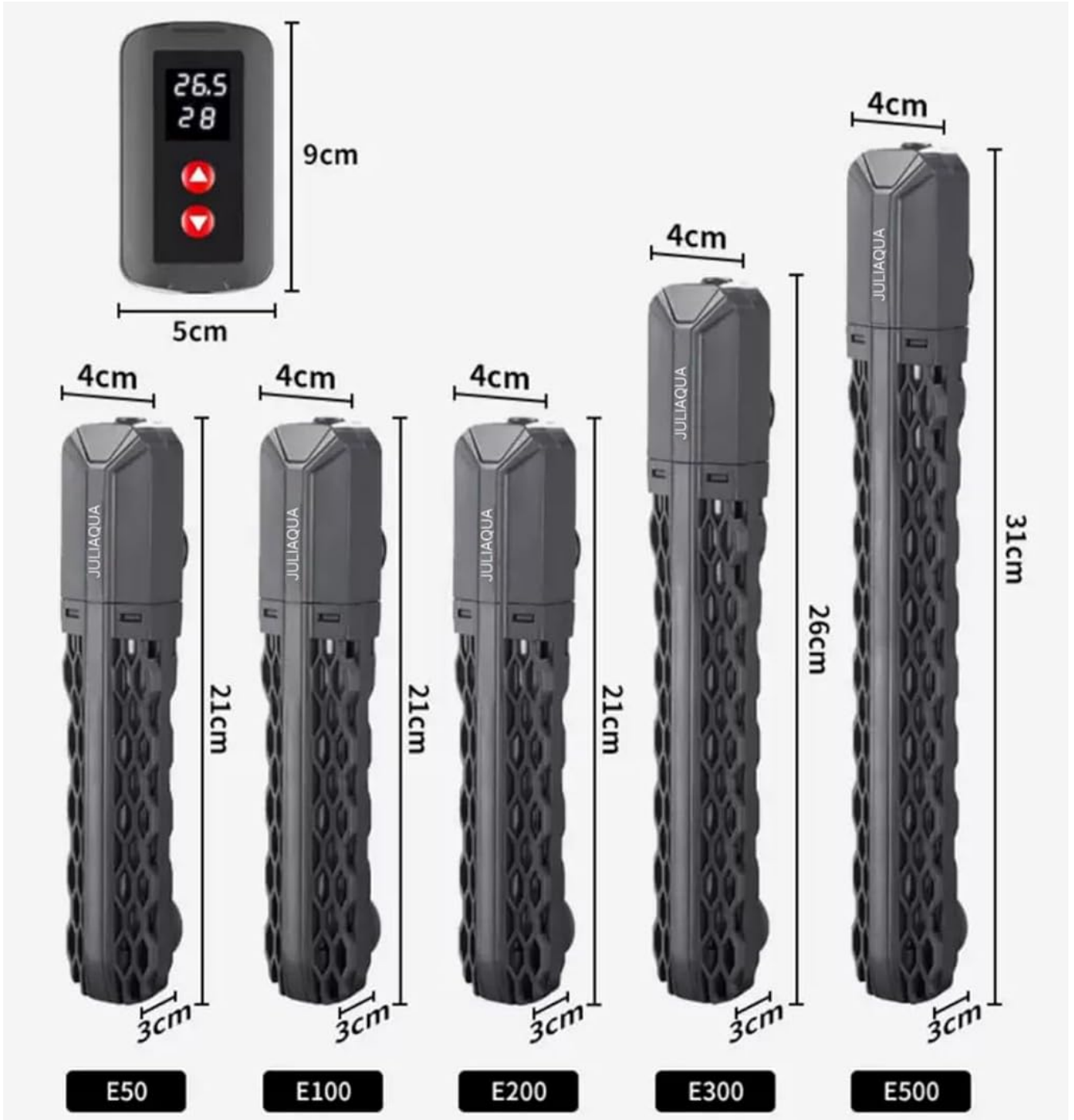


Image: Details of the heater's honeycomb protective case, designed for high temperature resistance and removability, along with the strong suction cups used for secure mounting.

Specifications

Feature	Specification (E-50W Model)
Power	50W
Voltage	AC220-240V 50-60Hz
Temperature Range	18°C - 35°C
Aquarium Capacity	5 - 50 Liters

Feature	Specification (E-50W Model)
Heater Dimensions (L x W x H)	21 x 4 x 3 cm
Cable Length	1.3 m
Compatibility	Freshwater and Saltwater Aquariums



Model	Power	Size	Cable length	Temperature	Liter of Water
E50	50W	21x4x3cm	1.3m	18~35°C	30L
E100	100W	21x4x3cm	1.3m	18~35°C	70L
E200	200W	21x4x3cm	1.3m	18~35°C	150L
E300	300W	26x4x3cm	1.8m	18~35°C	250L
E500	500W	31x4x3cm	1.8m	18~35°C	400L

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Image: A table detailing specifications for various JULIAQUA heater models (E50, E100, E200, E300, E500), including power, physical size, cable length, temperature range, and recommended water volume.

Setup and Installation

1. **Unpack and Inspect:** Carefully remove the heater from its packaging. Inspect the heater and power cord for any visible damage. Do not proceed with installation if any damage is found.
2. **Placement in Aquarium:**
    - Attach the suction cups firmly to the heater unit.
    - Mount the heater vertically or horizontally inside the aquarium.
    - Ensure the heater is placed in an area with good water circulation, ideally near the water outlet of a filter, for accurate temperature readings and even heat distribution.
    - The heater must be **fully submerged** in water at all times. Do not allow any part of the heating element to be exposed to air when operating.
3. **Position the Controller:** Place the external temperature controller outside the aquarium in a dry location, away from water splashes.
4. **Connect to Power:** Once the heater is securely installed and fully submerged, plug the power cord into a suitable electrical outlet (AC220-240V 50-60Hz).

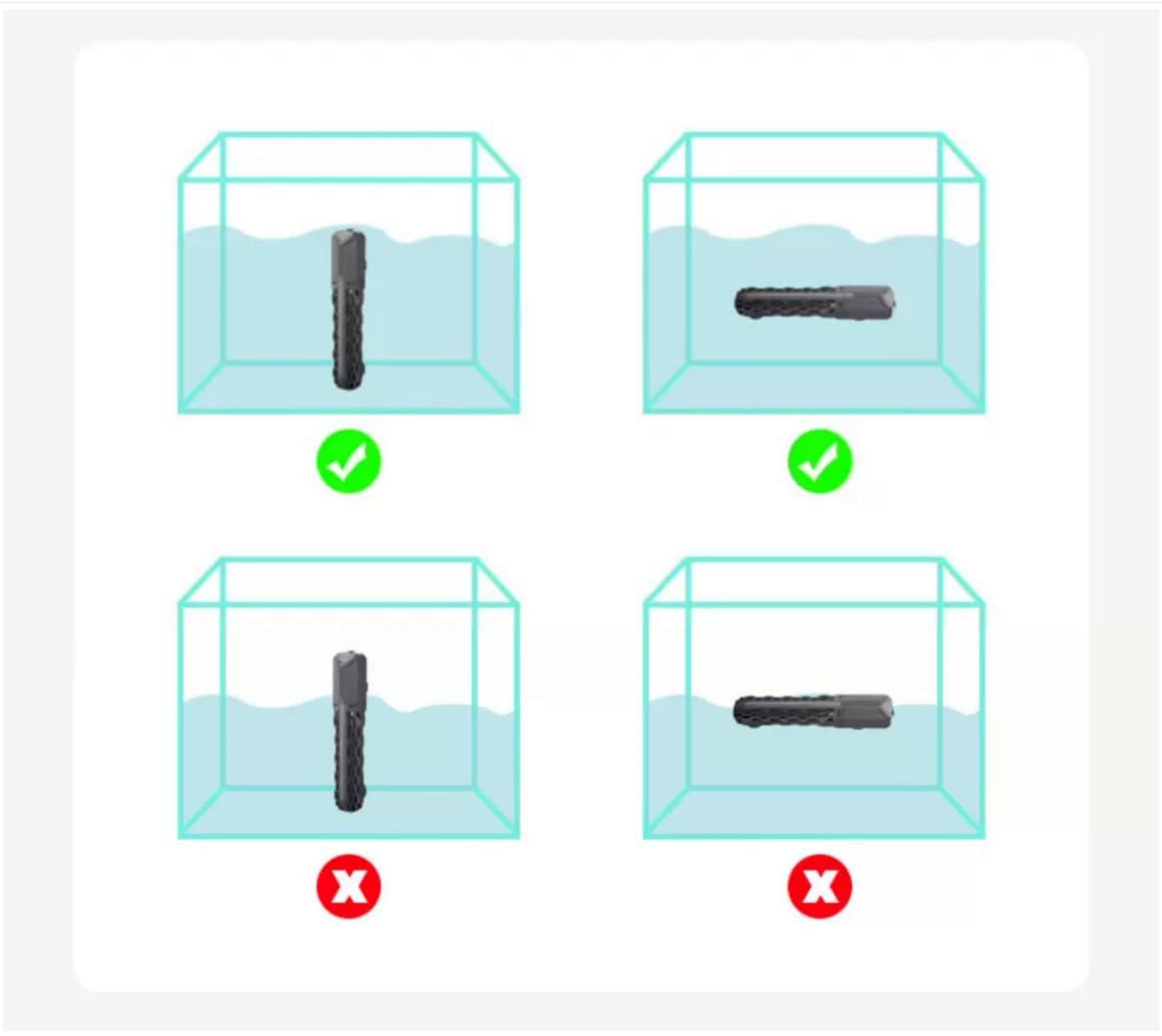


Image: Illustrations demonstrating correct (fully submerged, vertical or horizontal) and incorrect (partially submerged) heater placement within an aquarium.

Operating Instructions

1. **Power On:** After plugging in, the digital display on the external controller will light up. It will show the current water temperature and the default target temperature.
2. **Set Target Temperature:**
    - Press the **Up** or **Down** arrow buttons on the controller to adjust the desired target temperature.
    - The target temperature will flash while being adjusted and then stabilize after a few seconds.
    - The adjustable range is 18°C to 35°C.
3. **Monitoring:** The display will continuously show the current water temperature (top number) and your set target temperature (bottom number).
4. **Heating Indicator:** When the heater is actively heating, a small heating icon or indicator may appear on the display. The heater will automatically turn off once the target temperature is reached and turn back on if the temperature drops.

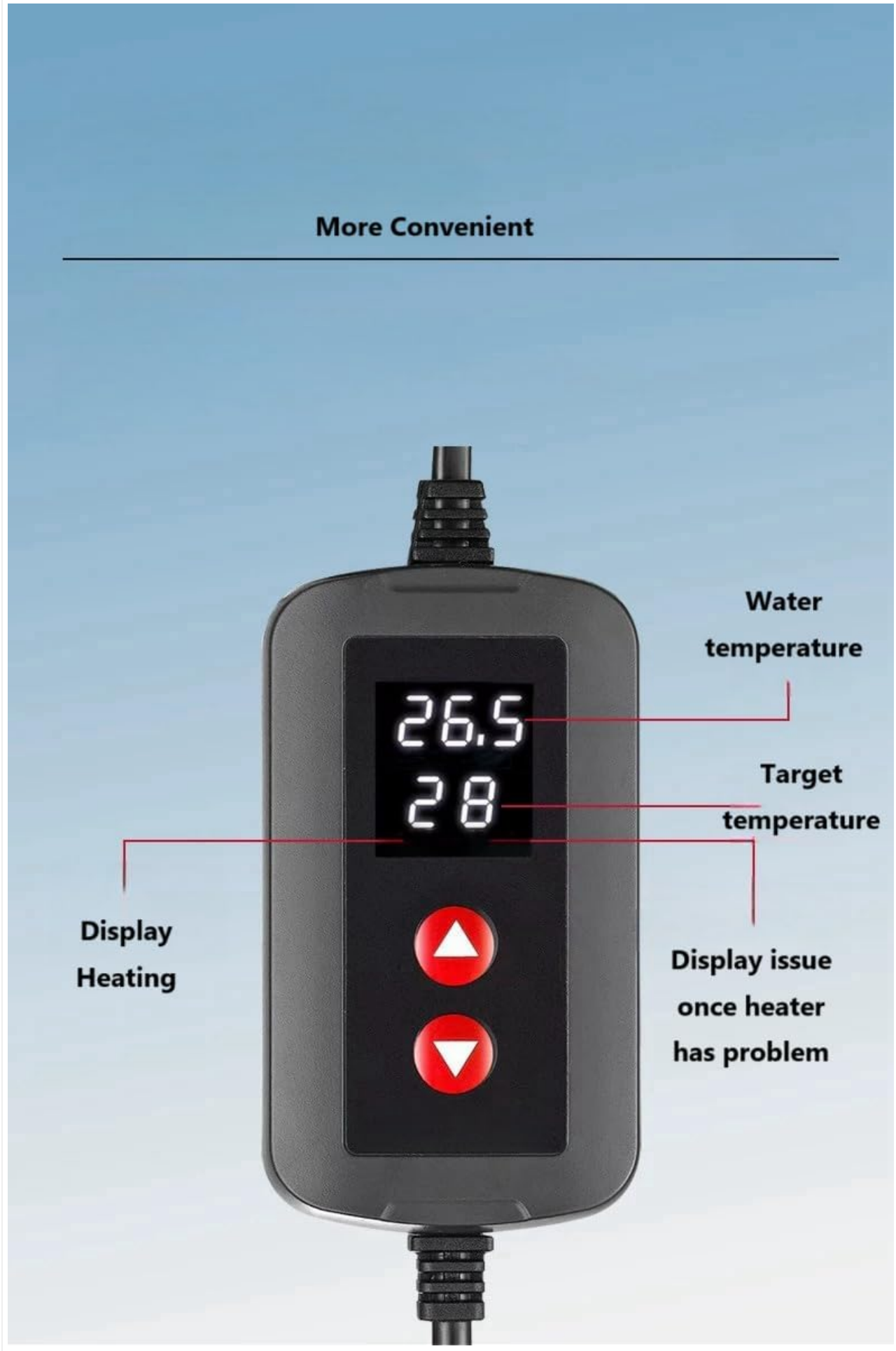


Image: A detailed view of the external controller's digital display, indicating the current water temperature (e.g., 26.5) and the user-set target temperature (e.g., 28), along with a heating status indicator.

Maintenance

- **Cleaning:** Before cleaning, always unplug the heater and allow it to cool down completely. Gently wipe the heater element with a soft cloth to remove algae or mineral deposits. Do not use harsh chemicals or abrasive materials.
- **Protective Case:** The honeycomb protective case is removable for easier cleaning. Carefully slide it off, clean it, and reattach it securely.
- **Controller Care:** Keep the external controller dry. If it gets wet, unplug it immediately and allow it to dry completely before reconnecting.
- **Regular Inspection:** Periodically check the power cord for fraying or damage and the suction cups for secure attachment. Replace if necessary.

Troubleshooting

Display Code / Symptom	Problem	Solution
E1	Heater is out of water or not fully submerged.	Immediately unplug the heater. Ensure the heater is fully submerged in water. Wait a few minutes, then plug it back in.
E2	Heater malfunction.	Unplug the heater. If the error persists after replugging, contact JULIAQUA customer support.
Heating But Not Accurate	Insufficient water circulation or ambient temperature is too cold for the heater's wattage.	Ensure the heater is placed in an area with good water flow. If the ambient temperature is significantly lower than the target, consider a higher wattage heater for your tank size.
Heater Not Turning On	No power, faulty outlet, or internal issue.	Check if the power cord is securely plugged in. Test the outlet with another device. If still not working, contact customer support.



Image: The external controller displaying an 'E1' error, indicating the heater is out of water. A corresponding table lists common error codes (E1, E2) and their respective problems and solutions.

Warranty and Support

Your JULIAQUA Aquarium Heater comes with a one-year warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.
For any issues, suggestions, or warranty claims, please contact JULIAQUA customer support. Please have your purchase details and model number (E-50W) ready when contacting support.
You can visit the official JULIAQUA store for more information:JULIAQUA Store

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