HiTauing AP02

HiTauing Aquarium Heater User Manual

Model: AP02 (50W/100W/200W/300W/500W)

1. INTRODUCTION

Thank you for choosing the HiTauing Aquarium Heater. This submersible heater is designed to maintain a stable and optimal water temperature for your aquatic pets in both freshwater and saltwater environments. It features an external digital display controller, intelligent safety functions like over-temperature protection, and automatic power-off when out of water. Please read this manual thoroughly before installation and operation to ensure safe and efficient use.

This image displays the complete HiTauing submersible aquarium heater unit, including the heating element, the external digital temperature controller, and the power cord with plug.

2. SAFETY INSTRUCTIONS

- Always ensure the heater is fully submerged in water before connecting it to a power source. Failure to do so can cause damage to the heater and pose a fire hazard.

- Unplug the heater from the power outlet before performing any maintenance, water changes, or handling the heater.

- Do not operate the heater if the cord or plug is damaged, or if the heater malfunctions or has been dropped.

- This appliance is intended for indoor use only, within an aquarium.

- Keep the power cord away from high-traffic areas to prevent tripping hazards.

- The heater is equipped with an anti-dry burning function and over-temperature protection. While these features enhance safety, they are not substitutes for proper installation and monitoring.

- Ensure the voltage indicated on the heater matches your local power supply.
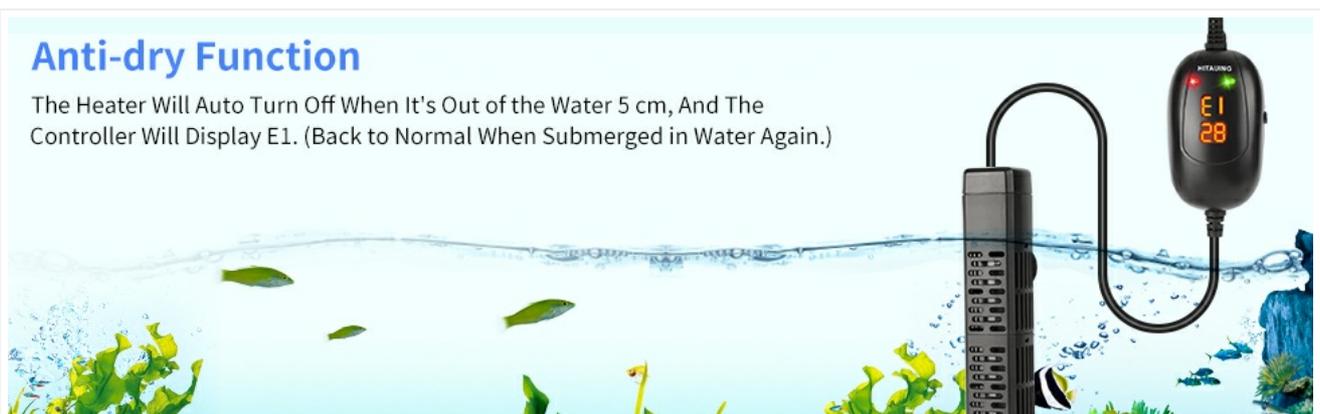
3. PRODUCT FEATURES

This image presents the HiTauing Upgraded Aquarium Heater submerged in a vibrant fish tank, highlighting its function in maintaining optimal water temperature for aquatic life within the specified range of 63°F-94°F (17°C-34°C).

- **Rapid Heating & Dual Temperature Control:** Utilizes a stable nickel-chromium heating wire for quick and consistent heat distribution. Features a built-in temperature control system with both Fahrenheit and Celsius display (63-94°F / 17-34°C).

- **Intelligent Water Sensor & Over-Temperature Protection:** Automatically stops heating if the heater is out of water or if the temperature rapidly exceeds the set point. An indicator light turns green in these safety scenarios.

- **Explosion-Proof Quartz Glass:** Constructed with explosion-proof quartz glass and a high-temperature resistant ABS shell for enhanced durability and safety, protecting both aquatic life and users from scalding. The 0.4cm shell spacing prevents small fish from contacting the heating tube.

- **Accurate External Digital Display Controller:** The external IC temperature controller displays current water temperature and allows for precise temperature setting with 2 red LED digits. Easily switch between Fahrenheit and Celsius.

- **Wide Range of Use:** Suitable for various aquatic environments including freshwater tanks, saltwater tanks, turtle tanks, and commercial aquarium setups.

Anti-dry Function

The Heater Will Auto Turn Off When It's Out of the Water 5 cm, And The Controller Will Display E1. (Back to Normal When Submerged in Water Again.)

This graphic displays a set of icons summarizing the main functionalities of the heater, including remote control capability, integrated

thermometer, LED display, dry heating protection, detachable cover for maintenance, memory function for settings, switchable Fahrenheit/Celsius units, and over-heat protection.

4. PACKAGE CONTENTS

- HiTauing Aquarium Heater Unit (Heating element with attached controller and power cord)
- Suction Cups (pre-installed or included separately)
- User Manual

5. INSTALLATION

1. **Placement:** Choose a location in your aquarium with good water circulation to ensure even heat distribution.

2. **Secure Mounting:** Use the provided suction cups to firmly attach the heater to the inside wall or bottom of your aquarium. Ensure the heater is positioned vertically or horizontally, depending on your tank setup, but always fully submerged.

3. **Full Submersion:** The heater must be completely submerged in water at all times during operation. The intelligent water sensor will activate the anti-dry burning function if the water level drops too low.

4. **Power Connection:** Once the heater is securely placed and fully submerged, connect the power plug to a suitable electrical outlet.

INSTALLATION PRECAUTIONS

⚠️ 1. The aquarium heater needs to be completely submerged in the water before plugging in the power source.

2. When changing the water in the fish tank, you need to unplug the power switch.

This visual guide demonstrates proper installation: the heater must be fully submerged in water before plugging in. It also shows that the power switch should be unplugged when performing water changes to prevent dry burning.

6. OPERATION

1. **Power On:** After proper installation, plug the heater into a power outlet. The external controller's LED display will illuminate, showing the current water temperature and the set temperature.

2. **Set Temperature:** Press the button on the external controller repeatedly until the desired temperature is displayed. The setting is saved automatically. The LED will then revert to displaying the current water temperature.

3. **Switch Temperature Units (Fahrenheit/Celsius):** Press and hold the button on the controller for 2-3 seconds to switch between Fahrenheit (°F) and Celsius (°C).

4. **Heating Indicator:** A red light on the controller indicates that the heater is actively heating the water. A green light indicates that the water has reached the set temperature and the heater is maintaining a constant temperature.

The external controller displays both the current water temperature and the set temperature. A red light indicates heating, and a green light indicates a constant temperature. The set button on the side allows for temperature adjustment and switching between Fahrenheit and Celsius. Key features include durability, safety, rapid heating, explosion-proof quartz material, PC material construction, burn prevention, high temperature resistance, and switchable temperature units.

7. Maintenance

- **Regular Cleaning:** Periodically clean the heater element to remove algae or mineral buildup. Always unplug the heater and allow it to cool before removing it from the tank for cleaning. Use a soft brush or cloth and aquarium-safe cleaning solutions if necessary.

- **Inspect for Damage:** Regularly check the heater, power cord, and plug for any signs of damage, cracks, or wear. Discontinue use immediately if any damage is found.

- **Suction Cup Check:** Ensure the suction cups remain firmly attached to the tank wall. Replace them if they lose their grip.

8. Troubleshooting

Problem	Possible Cause	Solution
Heater not heating	Not plugged in; power outage; set temperature too low; heater malfunction.	Check power connection; verify power supply; increase set temperature; contact support if malfunction suspected.
Display shows "E1"	Heater is not fully submerged (anti-dry burning activated).	Unplug the heater, ensure it is fully submerged, then plug it back in. Check water level.
Water temperature is too high/low	Incorrect temperature setting; heater too small/large for tank size; external factors (room temperature).	Adjust set temperature; ensure heater wattage matches tank volume (refer to specifications); consider tank insulation or room temperature control.
Heater indicator light is green but water is cold	Heater is in constant temperature mode but actual water temperature is below set point (sensor error or malfunction).	Verify actual water temperature with a separate thermometer. If discrepancy, contact support.

This diagram shows how the heater's intelligent system works: it stops heating if the water temperature exceeds 1°F above the set point or if the heater is 5cm above the water surface, displaying 'E1' for dry burning.

9. Specifications

Detachable anti-scald shell

Power cable:106 inch

External adjustment

11.4inch

HITAUING

Insulated plug

Powerful sucker

Product Parameters

POWER	Fish Tank WaterRange	Heater Length	Temp Control Range	Voltage	Error Range	Waterproof Grade
50W	5-10 gal	6.77x1.38x1.77 inch	63-94°F/17-34°C	AC 100-120/50-60Hz	+1.0*F-1.5°F	IPX8
100W	10-20 gal	6.77x1.38x1.77 inch	63-94°F/17-34°C	AC 100-120/50-60Hz	+1.0*F-1.5°F	IPX8
200W	20-40 gal	9.25x1.38x1.77 inch	63-94°F/17-34°C	AC 100-120/50-60Hz	+1.0*F-1.5°F	IPX8
300W	40-75 gal	12.99x1.38x1.77 inch	63-94°F/17-34°C	AC 100-120/50-60Hz	+1.0*F-1.5°F	IPX8
500W	75-120 gal	12.99x1.38x1.77 inch	63-94°F/17-34°C	AC 100-120/50-60Hz	+1.0*F-1.5°F	IPX8

This image provides a detailed overview of the heater's physical dimensions and a table outlining specifications for 50W, 100W, 200W, 300W, and 500W models. Parameters include recommended tank size, heater length, temperature range (63-94°F / 17-34°C), voltage (AC 100-120/50-60Hz), error range (±1.0°F/±1.5°F), and IPX8 waterproof rating.

Power (Wattage)	Fish Tank Water Range	Heater Length	Temp Control Range	Voltage	Error Range	Waterproof Grade
50W	5-10 gal	6.77x1.38x1.77 inch	63-94°F / 17-34°C	AC 100-120/50-60Hz	±1.0°F / ±1.5°F	IPX8
100W	10-20 gal	6.77x1.38x1.77 inch	63-94°F / 17-34°C	AC 100-120/50-60Hz	±1.0°F / ±1.5°F	IPX8
200W	20-40 gal	9.25x1.38x1.77 inch	63-94°F / 17-34°C	AC 100-120/50-60Hz	±1.0°F / ±1.5°F	IPX8
300W	40-75 gal	12.99x1.38x1.77 inch	63-94°F / 17-34°C	AC 100-120/50-60Hz	±1.0°F / ±1.5°F	IPX8

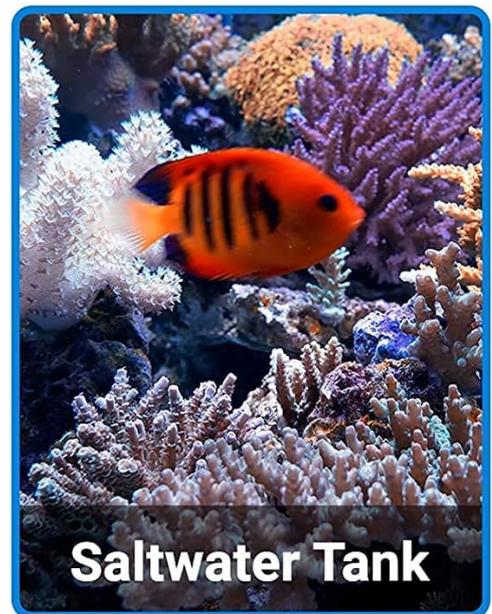| Power (Wattage)	Fish Tank Water Range	Heater Length	Temp Control Range	Voltage	Error Range	Waterproof Grade
500W	75-120 gal	12.99x1.38x1.77 inch	63-94°F / 17-34°C	AC 100-120/50-60Hz	±1.0°F / ±1.5°F	IPX8

Model Number: AP02
Item Weight: 1.43 pounds
Manufacturer: HiTauing
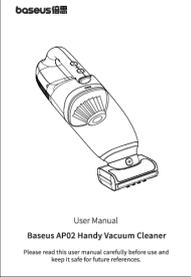
10. WARRANTY AND SUPPORT

HiTauing is committed to providing high-quality products. For warranty information, technical support, or any questions regarding your aquarium heater, please refer to the contact information provided with your purchase or visit the official HiTauing website. Please retain your proof of purchase for warranty claims.

11. APPLICATION SCENARIOS

This image illustrates the versatility of the HiTauing aquarium heater, suitable for various aquatic environments including freshwater fish tanks,

Related Documents - AP02

	[HiTauing Intelligent Aquarium Heater AP-03 User Manual & Features](#) Comprehensive user manual for the HiTauing Intelligent Aquarium Heater (Model AP-03). Learn about its features, specifications, safe operation, installation, and maintenance for freshwater and saltwater aquariums.
	[Hitauing Aquarium Heater User's Manual](#) User manual for the Hitauing Aquarium Heater, detailing instructions, product features, installation, safety precautions, and troubleshooting.
	[HiTauing Intelligent Aquarium Heater AP-03 User Manual & Features](#) Comprehensive user manual for the HiTauing Intelligent Aquarium Heater (Model AP-03). Learn about its features, specifications, safe operation, installation, and maintenance for freshwater and saltwater aquariums.
	[Hitauing Aquarium Heater User's Manual](#) User manual for the Hitauing Aquarium Heater, detailing instructions, product features, installation, safety precautions, and troubleshooting.
	[Baseus AP02 Handy Vacuum Cleaner User Manual](#) User manual for the Baseus AP02 Handy Vacuum Cleaner, detailing product specifications, components, package contents, and operation instructions for efficient cleaning of various surfaces.

[YaberAuto AP02 Car Jump Starter Quick-Start Guide](#)

Quick-start guide for the YaberAuto AP02 Car Jump Starter, featuring a 150 PSI air compressor, jump-starting capabilities, and USB charging. Learn how to inflate tires, start your car, troubleshoot errors, and recharge the device.