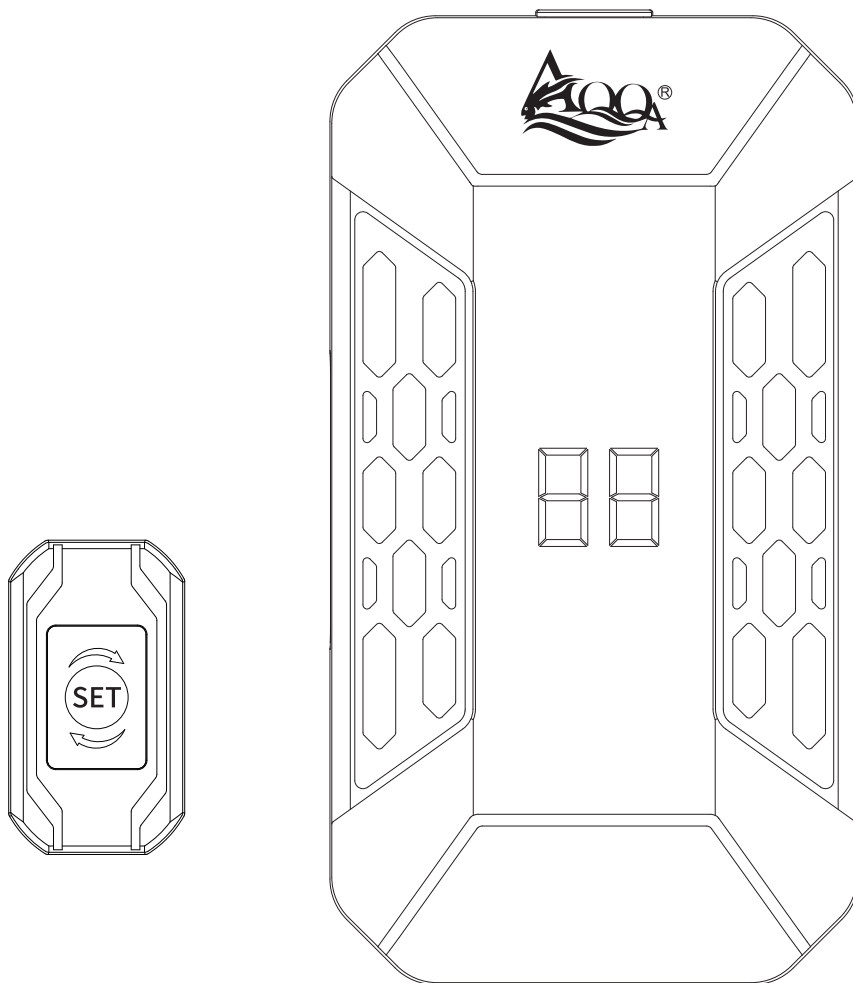




AQ043 USER MANUAL

AQQA Aquarium Quartz Heater

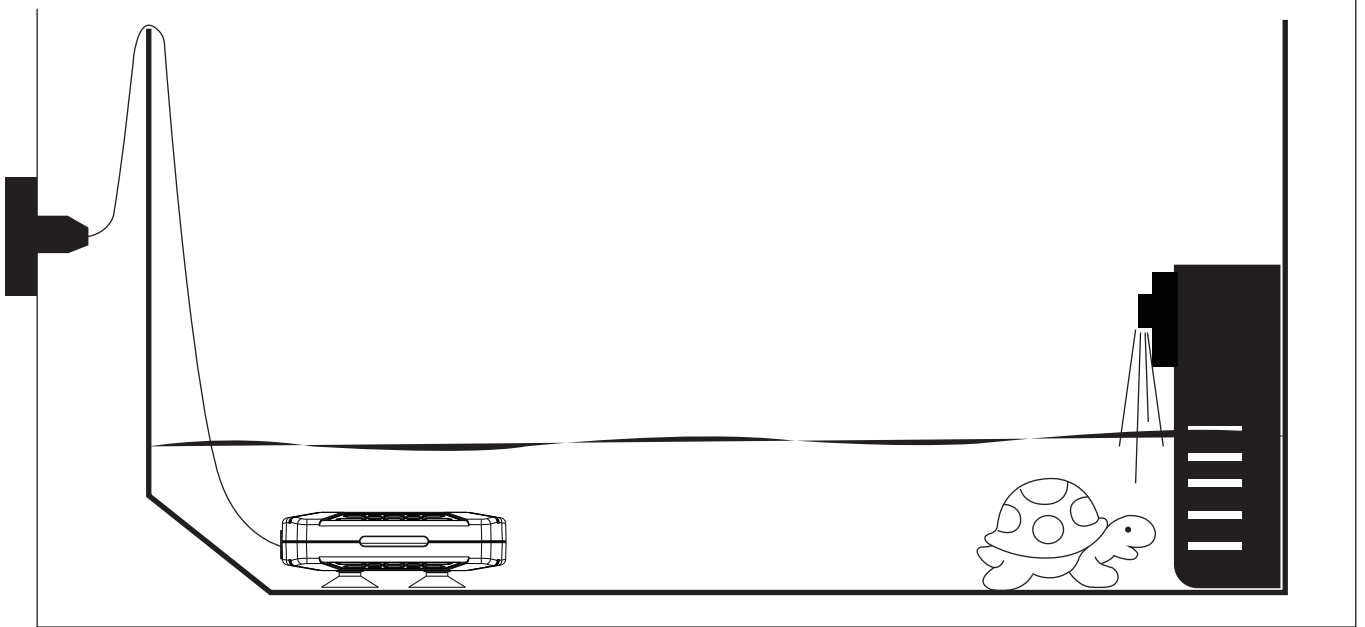


The AQQA digital display heater is a perfect aquarium heater for 1 to 26 gallon aquarium.



Attention: Place the AQQA heater submersible entirely when it's on duty, unplug it, and wait for 15 minutes before changing the water or removing it.

Please ensure enough water flow and circulation in the fish tank when using the heater.



1.PRODUCT FEATURES

LED digital temperature display: LED digital display shows the water temperature clearly and accurately. Display real-time water temperature and set temperature. The temperature can be selected range from 64°F to 91 °F with a temperature accuracy of 1 °F.

Temperature control function: This aquarium heater has a temperature control function. Please do not mix with other heaters. Dual application of controller may cause malfunction or misoperation. When the LED lights up red after the heating rod is energized, it means heating takes place. When the LED light does not turn on, it means to stop heating. When temp passes 97°F, the LED display shows “EE” and the heater will shut off automatically.

External controller: Easy to use; the temperature can be set on the controller. Press the “SET” button to set the heater for temperature adjust select operation—the LED digital display on the body flashes, indicating that the setting state has been entered. Press the “SET” button to change the display value to the required temperature.

Equipped with plastic protective sleeve and dry heating prevention function: Equipped with plastic protective to prevent small fish from scalding. Shut off automatically when the heater is exposed to air, and the LED display flash “Er” and the current temperature.

Explosion-proof quartz heating tube: Explosion-proof and insulation quartz tube is safer than traditional coil heaters.

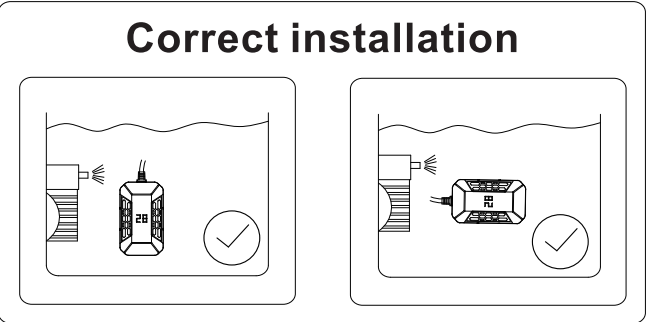
2.PRODUCT SPECIFICATIONS

Model No.	AQ043			
Volt./Freq:	<input type="checkbox"/> AC110-120V/60Hz		<input type="checkbox"/> AC220-240V/50Hz	
Power	25W	50W	100W	150W
Cord length	2.6ft+3.9ft/0.8m+1.2m			
Application	1-5Gal/5-20L	5-10Gal/20-40L	8-16Gal/30-60L	10-21Gal/40-80L
Temp Accuracy	±1°F/±1°C			
Control Temp Range	64-91°F			
Dimension	4.7"*2.6"*1.2"/11.9*6.5*3.1cm			

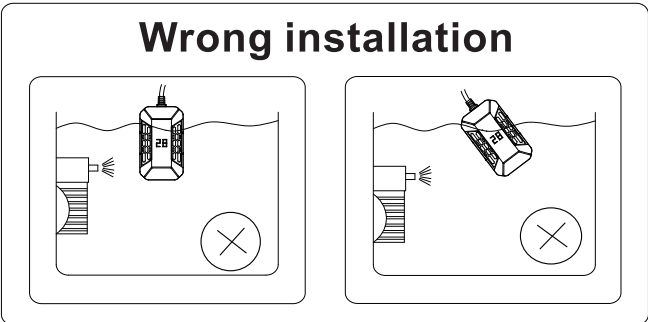
3.INSTRUCTIONS

- A.The temperature controller is not a waterproof design. Please note that not in the water or placed in a damp environment.
- B.For temperature adjustment operation, press “SET” button to set the heater. The LED digital display on the body flashes, indicating that the setting state has been entered. When it flashes, press the “SET” button to adjust the display value to the required temperature. After the setting is completed, the numbers are stable and no longer flashing.
- C.The aquarium heater shows the current water temperature. To verify the setting temperature, press the “SET” button and the screen will flash the temperature that has been set.
- D.When the LED lights up red after the heating rod is energized, it means heating takes place. When the LED light does not turn on, it means to stop heating.

For example: Your desired temperature is 90°F . Just press the “SET” button until “90” is shown on the display screen and wait for the digit “90” to flash three times; then, it will show the current water temperature. Your setting is done.



Figure(1)



Figure(2)

The controller should be used higher than the water surface, and the heater should be fully immersed in water. The Fish tank must have a water pump for water circulation flow to prevent the situation of the local heating. (See Figure 1)

The aquarium heater must not be exposed to the water surface. (See Figure 2)

4.MAINTENANCE

- Unplug or switch off all appliances in the aquarium before carrying out maintenance.
- Do not use detergents or other chemical cleaners.
- To clean the heater, unplug it first and then leave the heater in the tank for 15 minutes and remove it from the tank. Wash the heater in clean water.
- When reinstalling the heater, select your desired location and position the heater below the water.
- This appliance has no parts that users can repair.
- For indoor use only, not in the bathroom.

5.TROUBLESHOOTING

	Fault Code	Explanation	Solutions
Processing method of the code appears on the LED display screen	Er	Power-off when out of water	Soak the heating rod in water completely
	EL	Use 17520 hours of prompts	The prompt cannot be cleared. For safety, Repurchase recommended
	H1	The probe damaged	Unplug it at once, Do not use it, and replace
	H2		
	E1		
	E2		
	EE	water temperature exceeds 97°F	Water temperature below 97°F will return to normal

6.⚠WARNING :

To avoid possible electric shock, do not immerse the switch in the water. If the switch falls into the water or becomes wet, do not touch it until you have unplugged it. Basic safety precautions that should be observed are as follows:

1. Read and follow this user manual strictly.

2. **DANGER-** To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself. Instead, return the heater to an authorized service facility for maintenance or discard it.

A. If the heater shows any sign of abnormal working or, unplug the power and remove the heater from the water after 15 minutes.

B. Carefully examine the heater after installation. It should not be plugged in if there is water on parts that are not intended to be wet.

C. Do not operate the heater if it has a damaged cord or plug, is malfunctioning, dropped, or damaged in any manner. The power cord of this heater cannot be replaced. If the cord is damaged, the heater should be discarded.

D. To avoid the possibility of the heater plug getting wet, position the aquarium and its stand to one side of a wall mounted outlet to prevent water from dripping onto the outlet or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord, which connects the heater to the outlet. If an extension cord is used, the “drip loop” is the part of the cord below the level of the outlet or the connector that prevents water from traveling along the cord and coming in contact with the outlet. If the plug or outlet does get wet, **DO NOT** unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the heater. Then, unplug and examine for the presence of water in the outlet. If you are not sure, consult a certified electrician.

POWER CORD



DRIP LOOP

3. Close supervision is necessary when the heater is used near children.

4. This heater is not allowed to be used by persons (including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the heater by a person responsible for their safety.

5. To avoid injury, do not contact moving or hot parts.

6. Always unplug the heater from the outlet when not in use, before putting on or taking off parts, maintenance, or placing hands in the water. Never yank the cord to pull the plug from the outlet. Grasp the plug and pull to disconnect.

7. Do not use the heater for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition and will void the warranty.
8. Do not install or store the heater where it will be exposed to extreme weather or temperatures below freezing.
9. Only use the heater in freshwater or saltwater, do not use it in other liquids.
10. Make sure the heater is securely installed before operating it.
11. Read and observe all the important notices on the heater.
12. If an extension cord is necessary, a cord with a proper rating should be used, such as rated amperes or watts. A cord rated for fewer amperes or watts than the heater rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
13. The 2-conductor power cord has a polarized plug (one blade is wider than the other.) As a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use it with an extension cord unless the plug can be fully inserted. Do not attempt to defeat this safety feature.
14. The heater is intended FOR HOUSEHOLD USE ONLY.
15. SAVE THIS USER MANUAL.

7.ATTENTIONS

- ✓ Please check all the items to inspect their condition when unboxing the package.
- ✓ Please read this user manual carefully before using and follow it strictly.
- ✓ Please choose a heater rated for your aquarium.
- ✓ Please place the heating rod in the way of water flow and don't bury it in the substrate.
- ✓ It is suggested that the heater is submerged more than 5 inches below the water.
- ✓ Please make sure the heating rod is fully submerged when it's on duty. Unplug the heater and wait for 15 minutes before changing the water or removing the heater.

- ✓ Please mind that the heater can be turned off automatically when exposed to air, but it is a last resort and should be avoided.
- ✓ After using the heater for a while, calcium carbonate contained in algae or moss may clump and adhere to the heating rod.
- ✓ If dirt adheres to the heating rod, use a sponge or cloth and water to wipe it. Do not use alcohol or other chemicals as this may damage the heater and harm the fish or other livestock.
- ✓ If you use the heater for a prolonged period with dirt adhered to the heating element, please be aware that failure may occur due to the inability to control the temperature correctly.
- ✓ Please place the heating rod far away from the magnetic brush since the magnet will possibly damage the heating element.
- ✓ There will be a little mist on the inner wall of the tube while heating, and it will disappear slowly after the heating stops, which means it's a normal phenomenon. So you don't have to worry about it, it is a safe and double-protected product that has passed the UL certification.

8.ONE YEAR LIMITED WARRANTY

This product **MUST** be purchased from an authorized AQQA reseller. Visit our website for a list of authorized resellers. AQQA warrants this product against defects in materials and workmanship for **ONE(1) YEAR** from the date of the original retail purchase and is non-transferable.

Warranty on all products, including aquariums. But it is limited to the replacement of the products and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage caused by using this product.

Note: AQQA One-year Limited Warranty does not cover damage caused by the followings: improper installation, saltwater corrosion, electrical surges or modifications.

If you discover a defect, please contact AQQA, who will, at its option, repair or replace the product at no charge, provided that you return it during the warranty period. A copy of the bill of sale is required as proof of the original purchase date in the event of the product needing repairs within the warranty period. AQQA does not warrant any products that are not AQQA's.

This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication, or modified without the written permission of AQQA.

9.DISPOSAL

Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product has to be disposed of at an authorized place for the recycling of electrical and electronic appliances rather than being disposed of together with the domestic waste. Collecting and recycling waste is a way of saving natural resources. So, please consult with your local seller to make sure the product is disposed of in an environmentally friendly way.

10.PACKING LIST

- 1x Heater with external controller
- 2x Suction cup
- 1x User manual

11.CONTACT INFORMATION

Company name: Shenzhen Aiku Pet Technology Co., Ltd
Add: Room 501, No.20, Lane 1, Lishipai, Dafapu Community Bantian Street, Longgang District, Shenzhen Guangdong. 518000
Website: <http://www.aqqapet.com>
E-mail: service@aqqapet.com

If you have any problem, please provide your amazon order id (amazon invoice) and shipping address by E-mail: service@aqqapet.com.

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