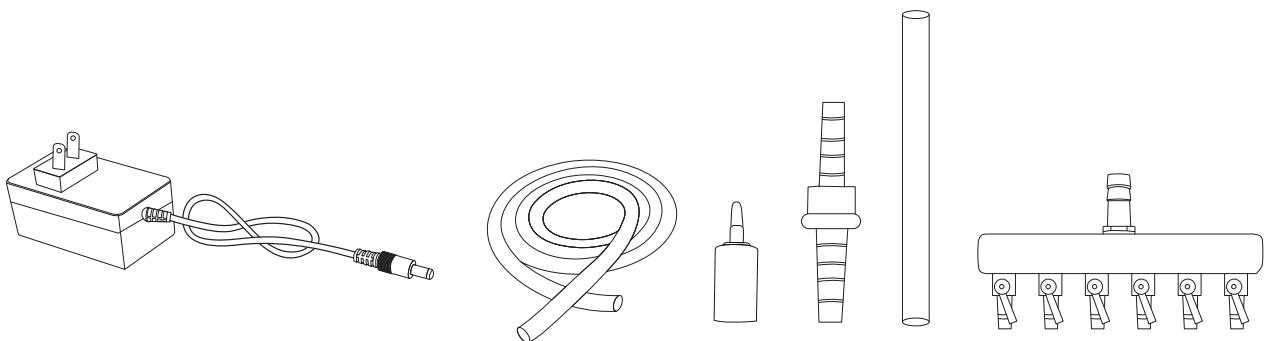
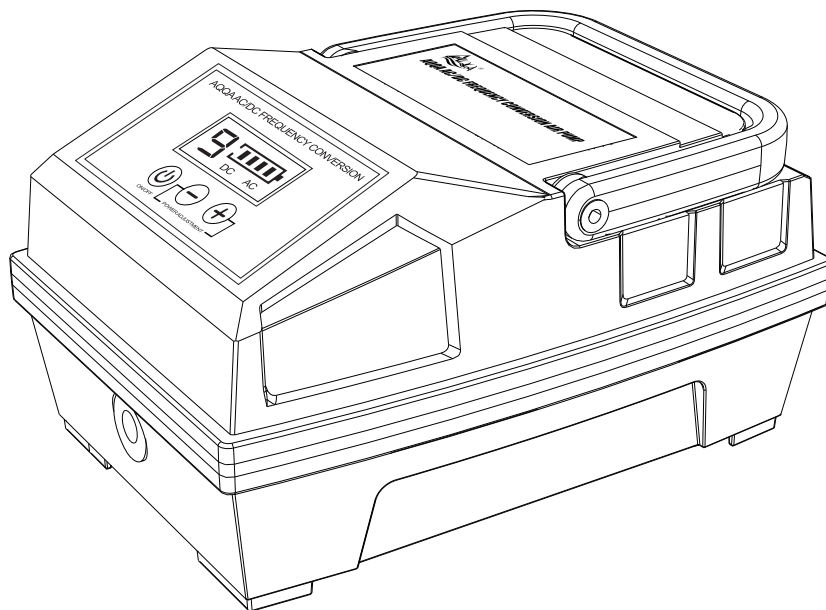




AQ100 AQQA AC/DC FREQUENCY CONVERSION AIR PUMP USER MANUAL



The AQQA AC/DC frequency conversion air pump is a versatile device with a rechargeable battery suitable for commercial, private, aquaculture, and outdoor use.

IMPORTANT REMINDER



THE DEVICE SWITCHES OFF WHEN THE BATTERY INDICATOR LIGHT GOES OUT. PLEASE CHARGE IT IN TIME. IF IT HAS NOT BEEN USED FOR A LONG TIME, CHARGE THE BATTERY BEFORE USE.



THE DEVICE IS SUITABLE FOR DAMP ENVIRONMENTS. IT IS NOT WATERPROOF AND MUST NOT BE SUBMERGED OR COMPLETELY IMMERSED IN WATER.

Please read this manual carefully before using and follow all instructions.

1. PRODUCT FEATURES

Versatile use: Easy to transport, suitable for aquarists and fishing enthusiasts, and commercial transportation.

Waterproof: This air pump has protection class IPx6, which means it is waterproof when briefly submerged and can also be used outside in the rain, for example. Please do not store outdoors for long periods to prevent moisture from penetrating the circuits and the lithium battery.

Super quiet: This air pump has a specially designed noise-reduced motor and is very quiet indoors. It has 4 rubber feet that additionally dampen the vibration.

Adjustable air volume: 9 different air volumes can be set as required, allowing you to select the exact airflow that is right for your purposes.

Battery indicator: Four indicator lights on the panel show the current charge of the lithium battery. If the last one goes out, the battery is empty. Please charge the device in good time.

Robust: The housing is made of high-quality ABS plastic; the motor inside is made of pure copper, increasing the pump's service life.

Suitable for direct and alternating current: The rechargeable air pump can also be operated with a DC or AC power source. In the event of a power failure, the device automatically switches to battery operation so that the fish's oxygen requirements are reliably met.

Easy to carry: Ergonomic design, with hand-friendly handle.

2. PACKING LIST

1x Air pump
1x Adapter
1x Main air tube
1x Check valve
1x 6-Outlet manifold
6x 2m Air tube
6x Air stone+2x Spare air stone
1x User manual

3. PRODUCT SPECIFICATIONS

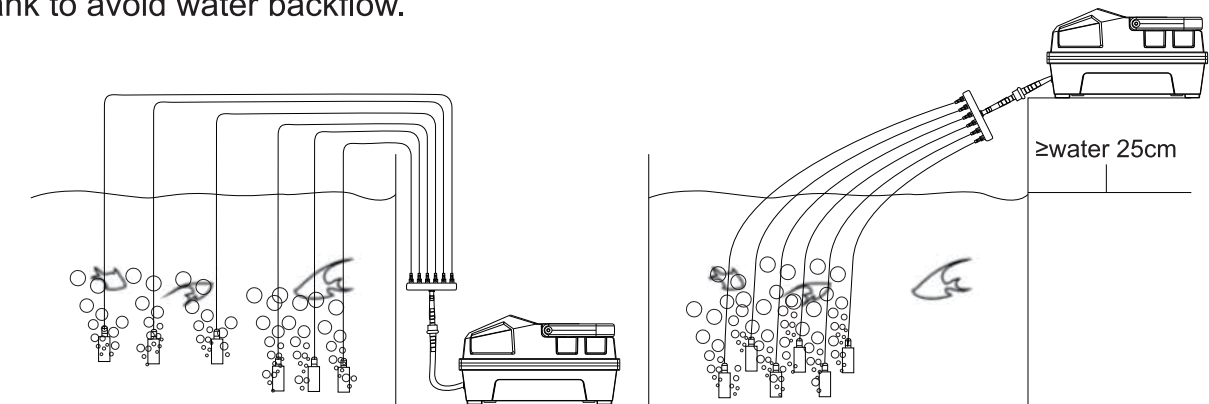
Volt/Freq	Input: AC 100-240V/50-60 Hz Output: DC 7.8V	
Power	10W	18W
Air flow	260GPH (16L/Min)	320GPH (20L/Min)
Air pressure	0.026Mpa	0.032Mpa
Cord length	4.9FT/1.5M	4.9FT/1.5M
Recommended for breeding	Up to 40KG	Up to 80KG
Dimension	8.7x5.9x5.1inches (22x15x13cm)	
Working hours	≥8 Hours	

4. INSTRUCTIONS

A.Following are two ways to install the air pump:

Picture 1: If the air pump is placed below the level of the water surface in the tank, you MUST install the air pump with check valves. If you do not use a check valve, the water will flow back to the pump, resulting in damage to it.

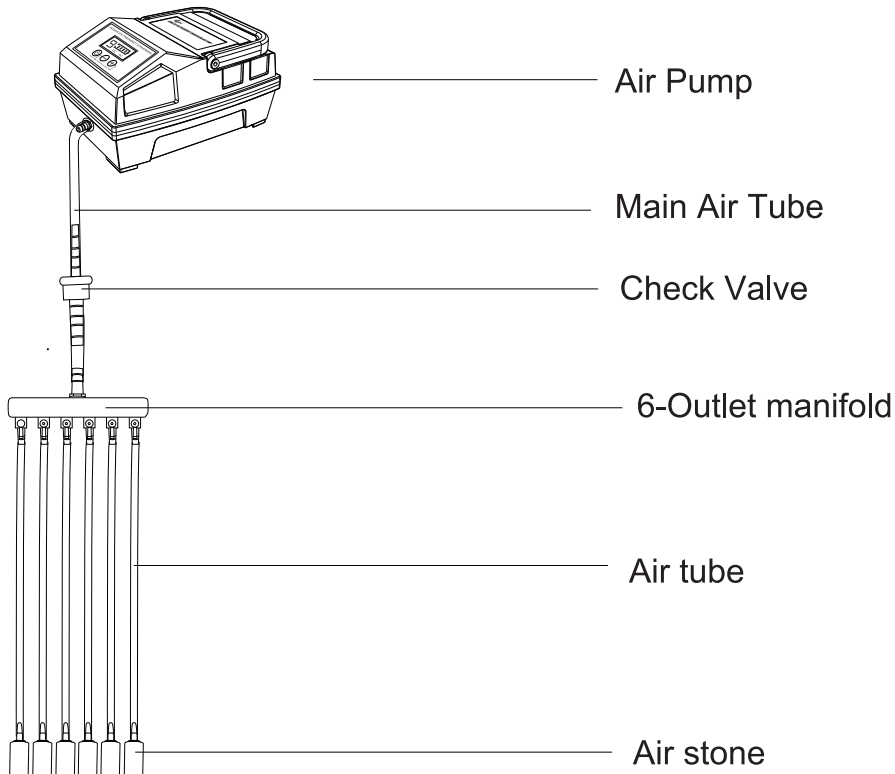
Picture 2: Place the air pump 25 cm (about 10 inches) higher than the water surface in the tank to avoid water backflow.



Picture 1

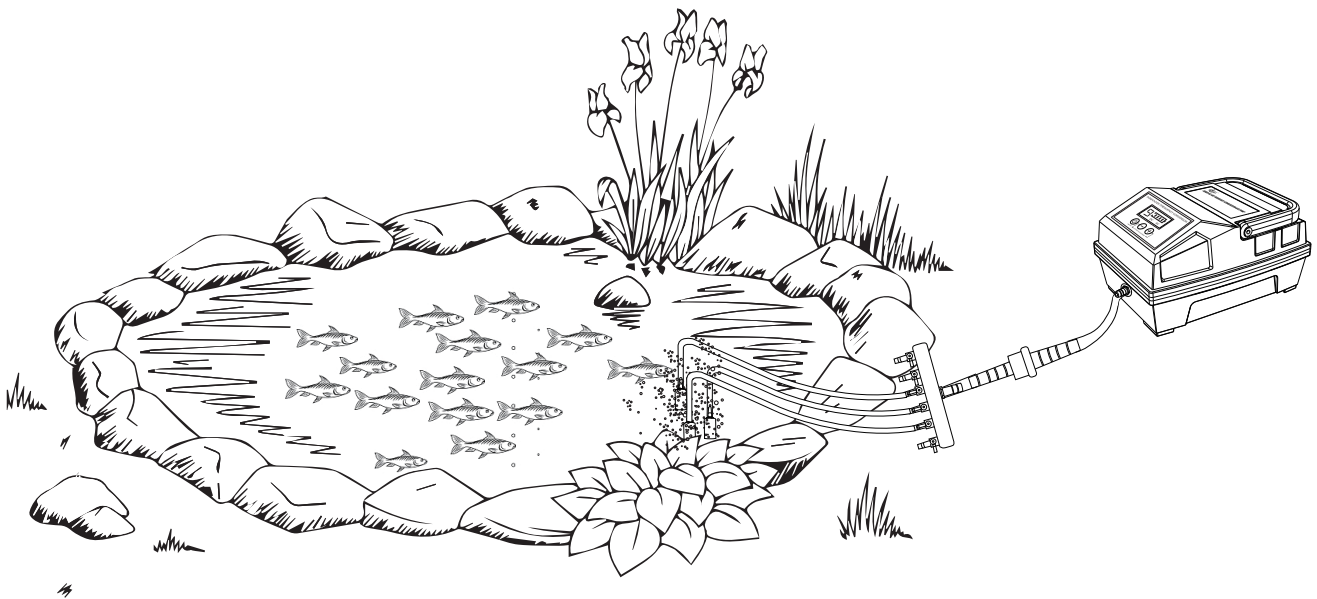
Picture 2

B. Install the air pump with accessories:

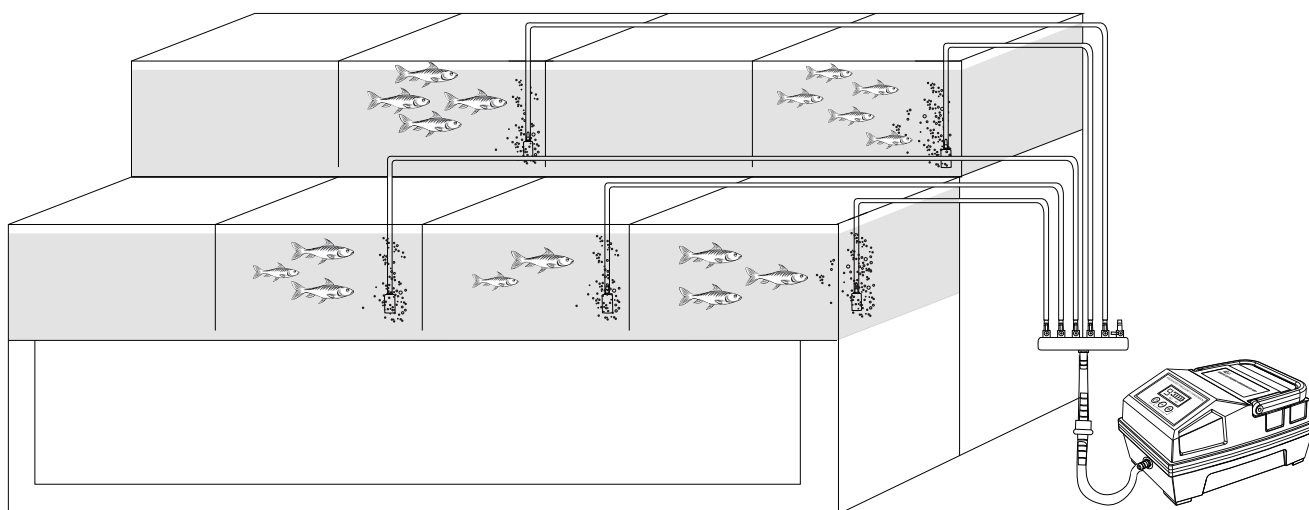


C. Usage Scenarios :

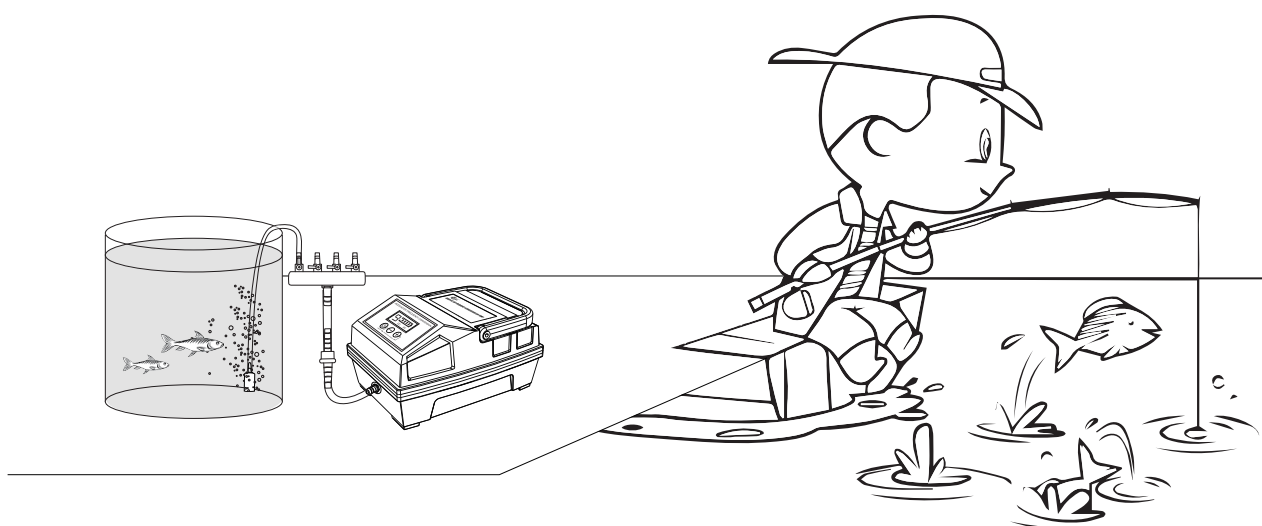
- Scene 1
Aquaculture



- Scene 2
Commercial Breeding



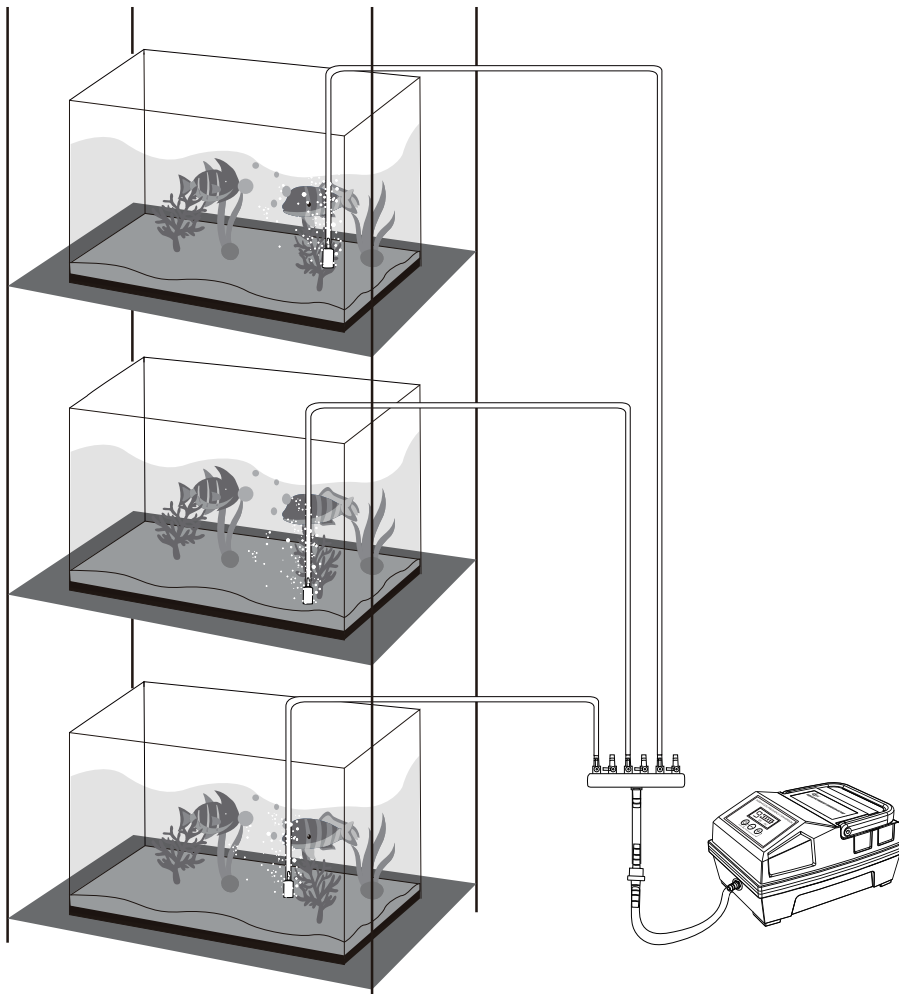
- Scene 3
Outdoor Fishing



- Scene 4
Oxygen Supply during Transportation



- Scene 5
Home Use



5. ATTENTION

- Please read and follow this user manual carefully before using
- Please install the air pump with check valves or place the air pump 25cm (10 inches) higher than the water surface to avoid water backflow and potential damage to the pump.
- Place the air pump on a flat surface and put a towel or rubber mat under the pump to reduce the noise further.
- Please do not immerse the pump in water.
- Please keep the air pump away from visible flame to avoid accidents.
- Please unplug the power and contact the seller if the air pump does not work, overheats, or makes unusual noise.

PERSONAL DISASSEMBLY WILL VOID THE WARRANTY

- Please soak the air stones before first use to get perfect bubbles.
- With increased use, debris, algae and minerals in the water may clog the pores in the air stone, resulting in a reduction of air volume. Please clean the air stone in time, or replace it if necessary.
- Please unplug power before maintenance.
- Please notice that the operating temperature range for the air pump is between 33.8°F-95°F (1°C-35°C).
- Please mind that the maximum water depth for the air stone is 4.9 feet (1.5m).

6. TROUBLESHOOTING

Trouble	Explanation	Solutions
Unusual noise	Unusual noise or vibration is usually caused by an uneven surface or faulty connection	Ensure the air pump is placed on a level surface and check all connections
No air or low air volume	The air stone is placed too deep	Place the air stone less deeply into the water
	The air stone was not soaked in water before use	Pre-soak the bubble stone for approx. 30 minutes before using it for the first time
	The check valve is installed backward	The arrow on the check valve indicates that this end is for the air outlet
The air pump doesn't work	The cable is not plugged in	Insert the plug
	Low battery	Charge in time

7. WARNING

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

CAUTION: To avoid the risk of electric shock due to water backflow, the pump should be used with a check valve or positioned higher than the water level in the tank.

1. Read and follow this user manual strictly.

2. **DANGER** - To avoid the possibility of electric shock, special care should be taken when using aquarium equipment since water is involved. In any of the following situations, do not attempt to repair yourself. Instead, return the pump to an authorized service center for servicing or discard it.

A. If the pump falls into the water, do not touch it. First unplug it, then pull it out. If electrical parts of the pump get wet, unplug the pump immediately.

B. Check the pump carefully after installation. It should not be connected if there is water on parts that are not intended to be wet.

C. Do not operate the pump if it has a damaged cord or plug, is faulty, has been dropped or damaged in any way. The power cord for this pump is not replaceable. If the cord is damaged, the pump should be discarded.

D. To avoid the possibility of the pump plug getting wet, position the aquarium and stand to one side of a wall mounted socket to prevent water dripping onto the socket or plug. A 'drip loop', as shown in the diagram below, should be provided by the user for each cord connecting the pump to the socket. If an extension cord is used, the "drip loop" is the part of the cord below the level of the outlet or plug that prevents water from travelling along the cord and coming into contact with the outlet. If the plug or socket does get wet, DO NOT unplug the cord. Remove the fuse from the circuit breaker that supplies power to the pump. Then unplug the power cord and check for water in the outlet. If in doubt, consult a qualified electrician.

POWER CORD



DRIP LOOP

3. Close supervision is required when the pump is used near children.

4. Always unplug the pump when it is not in use, before assembling or disassembling parts, before carrying out maintenance or before putting your hands in the water. Never pull on the cord to unplug. Grasp the plug and pull to disconnect.
5. Do not use the pump for any purpose other than its intended use. The use of attachments not recommended or sold by the manufacturer of the equipment can lead to an unsafe condition and will void the warranty.
6. Do not install or store the pump where it will be exposed to extreme weather or temperatures below freezing. This pump is suitable for use in water temperatures between 40~95°F.
7. Make sure the pump is securely installed before operating it.
8. Read and observe all the important notices on the pump.
9. If an extension cord is required, use a cord with the correct rating, such as amperes or watts. A cord rated for less amps or watts than the pump rating may overheat. Care should be taken to arrange the cord so that it cannot be tripped over or pulled.
10. The pump is intended for household use only.

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. Additionally, products that have been refunded are also not covered under the warranty.

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. CONTACT INFORMATION

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