

HPLED AQUARIUMS

AA's HPLED aquariums are designed to create enjoyable and relaxing environment for both you and your fish. With new HPLED lighting, it creates shimmering ripples in your aquarium, just like sunlight.

“ADDS LIFE TO YOUR ENVIRONMENT”

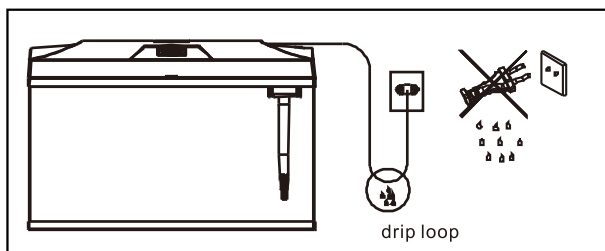
We thank you for supporting AA with your purchase. Before operating this aquarium, please read the following safety precautions and operation instructions carefully.

IMPORTANT SAFETY PRECAUTIONS:

- Indoor use only.
- Keep the aquarium away from main socket outlet and all electrical appliances. Keep the enough distance that under the abnormal situation, e.g. aquarium break, water can't affect the main power supply and other electrical appliances.
- Max. water temperature: 35°C
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Do not remove the whole upper apartment, simply open the cover for maintenance, replacement of LED and gain access to the tank.
- Only use this aquarium and its components for its intended use as described in this manual.
- Always unplug when not in use.
- Do not plug or unplug any power supply when hands are wet.
- Do not use or repair by yourself if the appliance is defective. Please return the top cover to your retailer for repair.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- Warning: If there should be condensed water inside the LED light, please pull the power plug! Please remove the LED light set and replace a new one.
- Warning: Unplug or switch off all appliances in the aquarium before carrying out maintenance.
- Weight of aquarium when filled with water is

AA660RGD – 118kg	AA800RGD – 146kg
AA750LGD – 167kg	AA800LGD - 137kg
AA900PGD – 192kg	AA2110TGD – 196kg
AA2100LGD – 277kg	AA2100RGD – 257kg
AA2100LGDH – 380kg	AA2120LGD - 376 kg

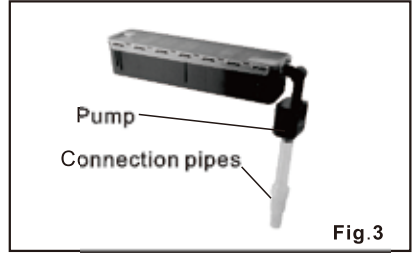
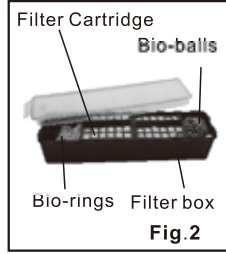
- Before use, fill up the tank with water to check if there's leakage.
- Do not transport, or move the aquarium when it's filled up with water.
- Do not use toxic substances to clean the aquarium.
- All cables leading out of the aquarium and the main cables should have a drip loop, so that water which may possibly run down cannot get into the adapter or the main socket. (Ref. “Drip Loop”)



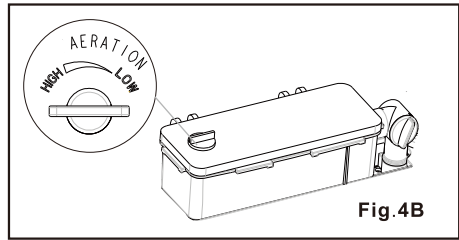
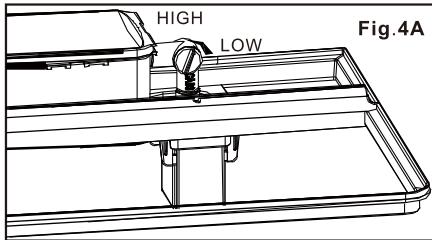
INSTRUCTIONS:

1. Carefully remove the aquarium and its components from the box and packing materials. Please check for damages, should there be damages, please kindly return to your retailer immediately.
2. Check for components inside package:
 - a) Aquarium tank with cover;
 - b) LED light in cover;
 - c) Filter box, water pump & connection pipes

3. POSITIONING your tank, please use the following guidelines when positioning your tank:
 - Choose a strong support surface for the tank; remember, when the tank is full of water, it can be heavy!
 - The tank should be put on a flat surface without inclination.
 - Try to avoid a location with direct sunlight as this can encourage algae growth & cause “green water” problems.
4. Open the top panel. Decorate your tank with plants, gravels and other decorative items (Not Included) (Remember: rinse all decorative items before putting them in the tank).
5. Fill the tank with water slowly.
For initial start, make sure water level covers the water pump impeller position. (Refer to Fig. 1)
6. Open the filter box. Rinse filter cartridges, bio balls & bio rings under running water and place them back into the filter box. (Ref. Fig. 2)
7. Construct connection pipes to pump as indicated on Fig. 3



8. Plug into the socket. The pump will start pumping water into the filter box. There's a flow regulator built-in. To reduce flow rate, turn anti-clockwise (refer to Fig. 4A)
9. Self Aeration:
The HPLED aquariums are designed to have self aeration. Air bubbles will generate when water goes back into the aquarium (Refer to Fig. 4B)



10. To light up your aquarium, press the switch located on top (Fish also requires sufficient rest; we suggest the LED to be left on only for maximum of 14 to 18 hours per day).
11. Before adding your fish, please add “Chlorine Neutral” (Not Included) into aquarium (check dosage on packaging). Let the filtration run for about 2 hours before adding fish. If you do not have Chlorine Neutral, we recommend running the filtration for 12 hours before adding fish.

MAINTENANCE:

1. For best performance, maintenance should be carried out every 3-5 weeks, depending on water condition. (Do not use detergents)
2. To achieve maximum efficiency, the filter cartridge should be replaced every month.
3. Always unplug before carrying out maintenance.
4. Open the cover, remove the filter box (drain water inside by tilting it) from the pipe. (Refer to Fig. 5)
Take the filter box to a sink, open the lid and replace with new filter cartridge (refer to “Replacement parts & accessories”), rinse the bio-balls & bio rings with water taken from the aquarium (do NOT use a brush to clean the bio-balls & bio rings as the bacteria on the surface of them are essential to biological filtration). Disconnect the connection pipes and rinse them under running water.
5. To avoid damages/ scratches to the tank, only use SOFT WOOL / CLOTH material for cleaning.
6. In the event of changing water, only change 25% of the water and fill with tap water.
7. AA recommends cleaning the impeller of the pump once every 6 months to ensure smooth and reliable performance.
 - i) Remove the filter pump from top panel. Connect one of the pipes to pump.
 - ii) Slightly bend the pipe; the impeller housing will be disassembled from the pump. (Ref. To Fig. 6)

- iii) Remove the impeller assembly to clean / brush under running water.
- iv) Re-assemble the filter pump into top panel; connect with pipes according to instructions.

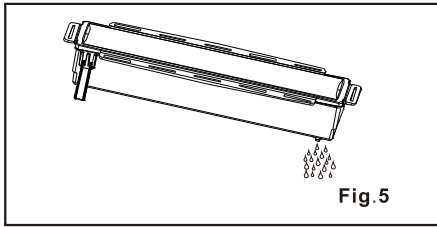


Fig.5

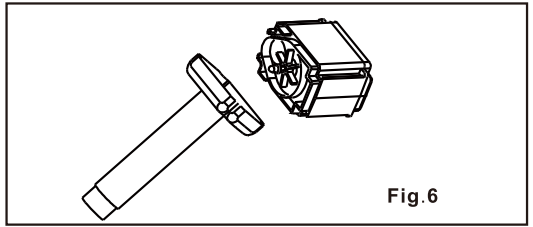


Fig.6

HPLED LIGHT STRIP REPLACEMENT:

Always switch off and unplug before replacing the LED light.
CAUTION: The LED light set may be hot. Please wait until it cools down.

1. Open top cover, remove the screws on LED light set & switch box (Refer to Fig. 7).
2. Replace with new LED light set & switch box.
3. Do not plug in unless the LED light set & switch box are assembled properly.

CLEANING OF LUMINAIRE:

After working for a certain period, there may be algae & dirt adhered on the HPLED light strip
 Always unplug from household power supply before maintenance. Open top cover; remove the screws on LED light. (Refer to Fig.7) Clean the HPLED light strip with a dry cloth.

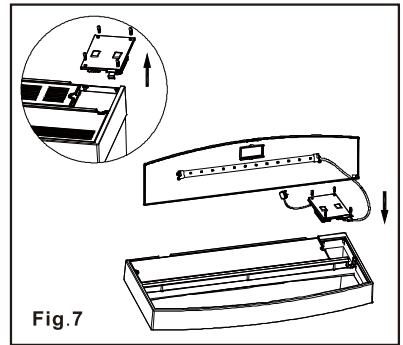


Fig.7

Trouble shooting & Tips:

Filter pump doesn't work, it doesn't pump water into filter box.

- i) For initial start, make sure water level covers the water pump impeller position. (Refer to Fig. 1) This is a submersible water pump which will work properly even under water.
- ii) If water level covers the water pump impeller position and filter pump still doesn't work, please refer to "Maintenance" Point 7, cleaning of the impeller. (There could be foreign objects in the impeller).
- iii) If the impeller shaft has worn thin or is damaged, please replace with new impeller.

If the HPLED doesn't light up.

- a) Make sure the aquarium is plugged into the main supply and is securely connected. Push the switch to "ON" position.
- b) If the LED doesn't light up, replace the LED light according to "HPLED Light Strip Replacement" section.

Not enough air.

- a) Please do not put extra sponge into the filter box as this will reduce the flow and reduce bubbles.
- b) The bubbles by self aeration are enough for normal fish keeping. If more air is required, a separate air pump is needed.

Add extra HPLED light strip

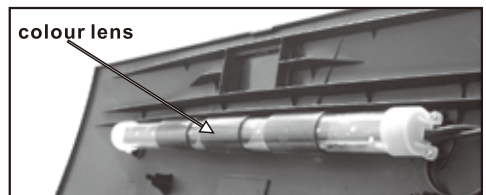
Each cover is designed for 2 HPLED light strip. Selected model comes with 1 strip. To add the second strip, purchase a HPLED light strip (model # AA8WDBW2-A).

Colour Lens

Blue & Pink colour lens are provided, simply clip onto the HPLED light. Pink for gold fish & Blue for marine like set-up.



HPLED light strip

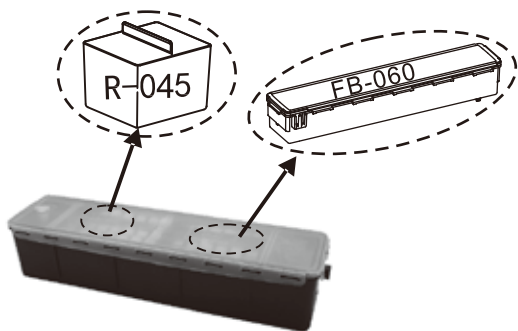


colour lens

Replacement parts & Accessories:

Below are replacement parts available at the retailer where you have purchased this aquarium.
Pink for gold fish & Blue for marine like set-up

- **Filter Cartridge:** Includes sponge, activated carbon & zeolite, replace approx. every 4 weeks, depending on water conditions. (Replacement bio balls & bio-rings are also available in aquatic outlets)
On filter box translucent cover, there are engraved graphics to show matching model no. of the filter cartridge (e.g. R-045) & the filter box. (e.g., FB-060, FB-065, FB-070, etc)



- **Filter Cartridge:**
Simply purchase the AA's replacement filter cartridge.



R-045-3

- **Filter Pump** is available as spare part.



AA390A

AA590A

Options & other accessories:

Heater: AA's Heater is specially designed to keep water temperature at desired level for tropical fish. Various size available.



Green Killing Machine

- 3 sizes available in 3W, 9W & 24W
- For all kinds of aquariums
- Keep your aquarium crystal clear
- Reduce water changes
- Kills algae, pathogens, and harmful bacteria



AAUV9W



AAUV24W

Floating Fish Net:

AA's patented design floating fish net. Flow on water - design for easy use. Plastic made handle durable. Various sizes available.



- AC08-34FN (small)
- AC12-38FN (medium)
- AC17-52FN (large)
- AC21-60FN (Xlarge)

Spare Part Table:

Model	Shape	Capacity	Filter Cartridge	Replacement LED	Filter Pump
AA660RGD	Round Corner	100L	R-045-3	AA8WDBW2-A	AA390A
AA800RGD	Round Corner	120L	R-045-3	AA8WDBW2-A	AA590A
AA2100RGD	Round Corner	200L	R-045-3	AA8WDBW2-A	AA590A
AA750LGD	Rectangular	140L	R-045-3	AA8WDBW2-A	AA590A
AA800LGD	Rectangular	110L	R-045-3	AA8WDBW2-A	AA390A
AA2100LGD	Rectangular	220L	R-045-3	AA8WDBW2-A	AA590A
AA2100LGDH	Rectangular	300L	R-045-3	AA8WDBW2-A	AA590A
AA2120LGD	Rectangular	300L	R-045-3	AA8WDBW2-A	AA590A
				AA8WDBW2-B	
AA900PGD	Panoramic	160L	R-045-3	AA8WDBW2-A	AA590A
AA2110TGD	Triangular	160L	R-045-3	AA8WDBW2-A	AA590A

For Australia & New Zealand:

Model	Shape	Capacity	Filter Cartridge	Replacement LED	Filter Pump
EG517HP	Rectangular	140L	EG764	AA8WDBW2-A	EG514
EG673HP	Rectangular	220L	EG764	AA8WDBW2-A	EG514
EG518HP	Triangular	160L	EG764	AA8WDBW2-A	EG514
EG515HP	Panoramic	160L	EG764	AA8WDBW2-A	EG514
EG520	Round Corner	100L	EG764	AA8WDBW2-A	EG479
EG675HP	Round Corner	200L	EG764	AA8WDBW2-A	EG514

For UK & Ireland:

Model	Shape	Capacity	Filter Cartridge	Replacement LED	Filter Pump
FRF-780	Rectangular	140L	FRF-045CT	AA8WDBW2-A	AA590A
FRF-2100	Rectangular	220L	FRF-045CT	AA8WDBW2-A	AA590A
FRF-3100	Rectangular	300L	FRF-045CT	AA8WDBW2-A	AA590A
FRF-2110	Triangular	160L	FRF-045CT	AA8WDBW2-A	AA590A
FRF-900	Panoramic	160L	FRF-045CT	AA8WDBW2-A	AA590A
FRF-660	Round Corner	100L	FRF-045CT	AA8WDBW2-A	AA390A

* 1 year limited warranty for the aquarium. Do not include tear and wear parts like filter media & water pump impeller.

Designed & Manufactured by AA Aquarium:

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info@aa-aquarium.com

UK & Ireland Distributor:
 Den Marketing Ltd.
www.denonline.co.uk

Australia and New Zealand Distributor:
 Masterpet
www.masterpet.com



Discarding electrical and electronic equipment at the end of life. In everybody's interest and to participate actively in protecting the environment:

- Do not discard these items with your household waste.
- Use the available trade-in and collection systems.
- Some materials can in this way be recycled or recovered.