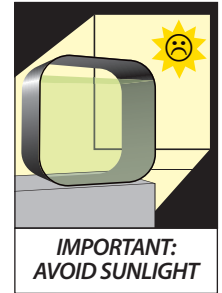
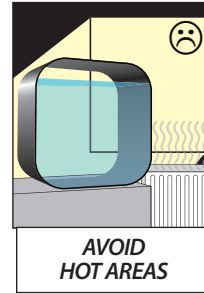
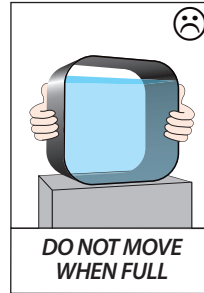
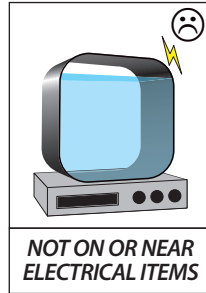


This guide will help you understand how your aquarium works and how to create a healthy environment for your fish. Please read these instructions carefully before filling your aquarium with water. **This is not a toy, adult supervision is recommended. Removing the serial number or dismantling your aquarium will invalidate your guarantee.**

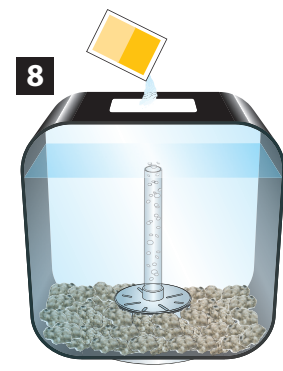
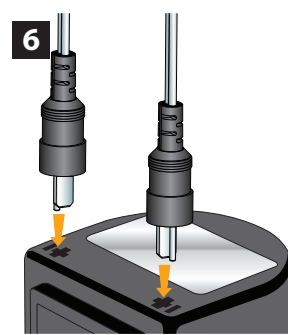
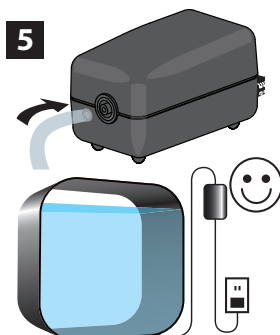
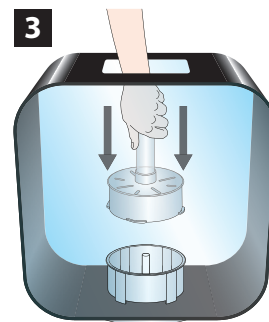
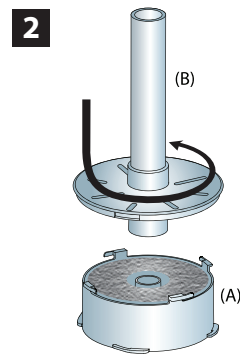
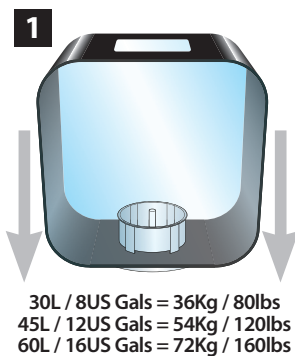


## Setting up your aquarium

- Carefully remove contents from the box and check. Choose a suitable location for your aquarium noting all the advice above and place your aquarium on a strong and level surface. **Remember the aquarium needs a power source within reach.**
- Remove plastic wrapper from filter cartridge (A) then offer up cartridge to base of bubble tube (B), locate tabs and twist in a counterclockwise direction ensuring all cartridge tabs are fully located. **New cartridges are available from a biOrb dealer.**
- Remove the light unit and lid from the biOrb then take the bubble tube and filter cartridge assembled in step 2 and

- insert into the biOrb. Turn the bubble tube clockwise until it locks in position. When correctly located, the bubble tube and filter will remain in place.
- Wash the ceramic media supplied thoroughly before placing around the filter body, ensuring none remains on top. **Use only ceramic media supplied, do not use aquarium gravel. Discard any pieces smaller than a pea.**
- Connect the airline to the pump as shown and place in a suitable position. **Positioning the pump higher than the aquarium water level will prevent water leakage or damage to pump should valve failure occur.**

- Plug the pump and light unit plug into the separate sockets on the transformer supplied, then plug the transformer into the power source and turn on. **The pump should be left running 24hrs a day, only switch it off during filter cartridge changes and cleaning.**
- Fill the aquarium with tap water to approximately 3"/7.5cm above the top of the bubble tube and add the Water Conditioner.
- Leave the aquarium running for at least 24 hours before adding the Biological Booster and then you will be ready to add your first fish. **Do not immerse the light unit in water.**



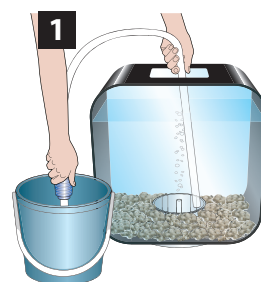
### Choosing and introducing fish

Do not crowd with decor or over stock with fish. When introducing fish, add gradually at a rate of 2 every 28 days. This will encourage a population of filter bacteria in the ceramic media that will keep the water clean. Adding fish too quickly may cause the water to be polluted and unsafe for fish. When adding fish follow instructions from your aquatic shop to ensure the fish are gently acclimatised to their new home. Feed each fish 4-6 of the pellets supplied per day, do not overfeed. **CAUTION: Overfeeding will harm fish and pollute water.**

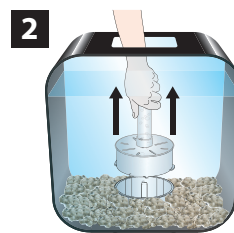


### Caring for your aquarium

**1. Every 2 weeks** a 30% water change is desirable to reduce pollution in the water. Use a sachet of water treatment in 4 litres/1 US Gallon of tap water. A **Cleaner Pump** (not supplied) is an easy way to remove debris and siphon out the water. **After setting up never use tap water to clean the ceramic media, this will kill biological filtration.**

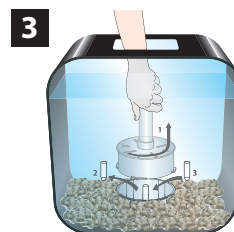


**2. Every 6 weeks** a new filter cartridge will be required to maintain the water condition. The cartridge and instructions are in the **Service Kit**.



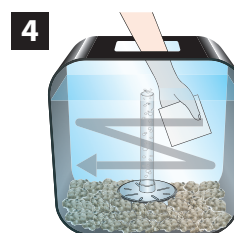
**Green Water** is caused by algae growth. Some algae is natural in healthy aquariums. However, if your aquarium water quickly turns green it may be caused by too much light, overfeeding, too many fish or high levels of nitrate and phosphate in the tap water.

**3. The Air Stone** in the base of the aquarium will eventually become blocked restricting the flow of bubbles into the aquarium, the **Air stone** should be replaced every 6 months.



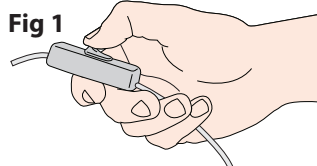
The **Air Pump** will wear out over time and could become noisy, reducing the flow of bubbles even after changing the air stone. Replace immediately after failure, to avoid problems.

**4. Cleaning the aquarium** requires care to prevent scratching. Never use household detergents, polishes or scouring pads. The outside of the bowl can be wiped with a soft cloth or purchase a **Plastic Scratch Remover & Polish kit**. The inside should be cleaned with a **Cleaning Pad**.

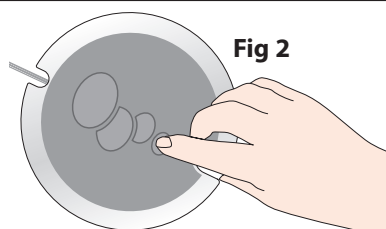


### The Light

**1.** Turn the light on at the switch (fig 1). The blue LED will flash until one of the 5 lighting modes is selected (the mode will repeat at this time every day, to change this simply repeat these steps at a different time).



**2.** To select a lighting mode. Press and hold the mode button (fig 2) for the required number of flashes. ie. mode 4 - press and hold for 4 flashes.



#### 24hr Lighting Modes

- 1xFlash= 1 hr sunrise - 6 hrs daylight - 1 hr sunset.
- 2xFlash= 1 hr sunrise - 8 hrs daylight - 1 hr sunset.
- 3xFlash= 1 hr sunrise - 10 hrs daylight - 1 hr sunset.
- 4xFlash= 1 hr sunrise - 12 hrs daylight - 1 hr sunset.
- 5xFlash= Test or demonstration 60 second cycle.

During the sunrise and sunset the blue LED and white LEDs will be lit together until one or the other fades out. The selected mode will repeat automatically every 24 hours

except in the event of a power cut or if the mode is changed. If you have any problems while selecting a mode, re-set by switching off the power (fig 1).

**Cleaning the light** is easy and is a good idea to keep your aquarium looking at its best. Simply wipe the lens with a **Cleaning Pad**. Your long life LEDs typically last for over 50,000 hours and should never need replacing.

