

*If in doubt contact your
local OATA
retail member
for further information*

IMPORTANT THINGS TO REMEMBER:

ALWAYS PURCHASE test kits and regularly check the water for ammonia, nitrite, nitrate and pH. This will allow you to ensure that the water in your aquarium is not causing welfare problems for your fish.

ESTABLISH A ROUTINE for testing the water in your aquarium. Record your results to enable you to highlight fluctuations quickly. Also check the temperature of the water.

MAINTAIN the water in the aquarium within the accepted parameters highlighted in this leaflet. You may need to undertake regular water changes to achieve this.

ALWAYS wash your hands, making sure to rinse off all soap residues, before putting them into your aquarium. Wash them again afterwards and certainly before eating, drinking or smoking.

NEVER siphon by mouth. A fish tank can harbour bacteria which can be harmful if swallowed. Purchase a specially designed aquarium gravel cleaner which can be started without the need to place the siphon in your mouth.

NEVER RELEASE YOUR AQUARIUM ANIMALS OR PLANTS INTO THE WILD.

Never release an animal or plant bought for a home aquarium into the wild. It is illegal and for most fish species this will lead to an untimely and possibly lingering death as they are not native to this country. Any animals or plants that do survive might be harmful to the environment.

Checklist...

Equipment:

- Aquarium
- Gravel cleaner
- Water testing kit
- Tap water conditioner
- Gravel
- Filter
- Heater and Thermometer
- Food

Before purchase ensure that:

- The aquarium is of a suitable size.
- Water parameters are as advised in this care leaflet.
- If adding to an existing set-up ensure these fish are suitable before addition.



ORNAMENTAL AQUATIC TRADE ASSOCIATION LTD

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**How to
care for...**



**Bettas, Gouramis
and Paradise fish**

Introduction...

Anabantids are a diverse group of fish that have adapted to living in oxygen-poor waters. These adaptations include the ability to utilise atmospheric air as a source of oxygen and bubble nesting behaviour which ensures adequate oxygen levels for their developing young.

In the wild these species are found in Asia, ranging from India to Cambodia. There is one main species of Betta fish, several colour varieties of Paradise fish and many gouramis currently available from aquatic retailers.

Water requirements...

This group of fish are generally viewed as being hardy, although there are exceptions. The water of the aquarium should match the following parameters, although the fish may acclimatise to different water over time:

Temperature: the majority tolerate a range 22-28°C, however Paradise fish can tolerate a cooler 17°C.

pH: 6.0-8.0

Ammonia: 0mg/l (0.02mg/l may be tolerated for short periods)

Nitrite: 0mg/l (0.2mg/l maybe tolerated for short periods)

Hardness: Moderately soft - hard (5-19° dH)

Biology...

This group of fish all belong to the family Osphronemidae and are characterised by their labyrinth organ which allows these species to survive in warm, low oxygen waters.

Male gouramis have a pointed dorsal fin and elongated anal fin rays. Males of this group are more colourful than females, this is often enhanced during breeding times.

The common aquarium fish can reach the following sizes: gouramis 7-15cm; Paradise Fish 6-10cm; Siamese fighter 6.5-7.5cm

In good water quality and without ailments, these fish can thrive for many years in a aquarium.

Many members of this family have a characteristic elongated ray on each pelvic fin. These are similar to whiskers and are used to sense their surroundings. Male Betta fish are known for their extremely elongated fins and bright colouration.

Aquarium requirements...

The smaller species such as the Dwarf and Honey gourami, and the Betta fish might be best provided with a minimum aquarium size of 45 litres. The larger species in this group, including the Paradise fish and the *Trichogaster* gouramis, might be best provided with a minimum aquarium of 90 litres. (There are exceptions such as the Giant gourami, although these are rare in home aquariums)

These fish may prefer soft-medium/hard water so check the parameters of your aquarium water, if you wish to change it do it slowly and ask your retailer for advice. These fish can adapt to differing water parameters.

A heater is required and a planted tank with a gentle current is advisable. Lights will help to bring out natural colours of the fish, especially in the males, and aid plant growth.

If males and females are to be kept, the tank should be able to hold three adults. Male gouramis and Paradise fish have been known to pester females for mating a ratio of 2:1 (females:males) is recommended.

Male Bettas must be kept by themselves as they are very aggressive towards one another.

Maintenance...

At least once every two weeks a partial water change of 25-30% is strongly recommended (a siphon device is useful to remove waste from the gravel). The water should be tested regularly to ensure that pollutants such as ammonia and nitrites don't build up. Ensure that you either allow the replacement water to stand or aerate it to remove any chlorine present. Ideally treat all replacement water with tap water conditioner before adding to the aquarium.

Filters should be checked for clogging and blockages. If the filter needs cleaning then do not run it under the tap, any chlorine present may kill the beneficial bacterial population that has established in the media. Instead it can be rinsed in the tank water which is removed during a partial water change, this reduces the amount of bacteria which are lost.

Good husbandry is essential as these fish can be stressed by even the smallest amounts of ammonia and nitrite. Test the water to monitor the ammonia, nitrite and nitrate levels every week, especially during initial set-up and after adding extra fish.

Feeding...

This group of fish are omnivores. In the wild they have a preference towards a meaty diet and are found feeding upon insect larvae, crustaceans and zooplankton.

In the home aquarium they should be provided with a good quality tropical flake or pellet and supplemented with frozen, freeze dried and live foods.

These fish should be fed what they can eat within a few minutes 1-2 times a day. Remove any uneaten food to reduce waste build up.

Common problems...

A water quality problem will affect fish behaviour and can be shown by clamped fins, reduced feeding, erratic swimming and gasping at the surface. Immediately test the water if any of these symptoms are shown.

If in doubt ask your retailer for advice.

Compatibility...

These fish are generally thought of as non-aggressive and therefore can be a good addition to a non-aggressive community tank. They add a welcome attraction to the surface of an aquarium as they gulp the air using the labyrinth organ.

Betta fish are not recommended for semi-aggressive or aggressive community tanks, as due to their long fins they are often subjected to fin nipping which can lead to disease and death.

Breeding...

The majority of Anabantids use bubble nests during breeding however, there are a few species which have different strategies.

A bubble nest is a delicate structure produced from the mouth of the female or male and sometimes contains plant debris to help hold it together. The eggs will be placed into this and due to its delicate nature water flow from filters should be reduced.

The male and female Anabantids will "dance" during courtship, once this has successfully occurred the eggs will be deposited into the nest. The male will fiercely defend this area from all other fish. The eggs will usually hatch within 1 day and within 2-3 days you may see the young swimming.