

EXPLORING YOUR “BRO-FISH”

Congratulations! You have successfully assembled your “Bro-Fish”. Let’s now start exploring how your robot swims in the water!

Attention! Before putting your “Bro-Fish” into the pool, make sure that all detachable connections are tightened properly. When submerging the robot underwater for the first time, observe the water carefully. If you can see any air bubbles arising, remove your “Bro-Fish” immediately from the water because there is a leaking spot! After drying the robot’s insides, try to repair the cause of leakage. If you have any problems and questions, feel welcome to contact us via swimmingrobot@gmail.com.

Discover your Bro-Fish! Finally, let’s discover the features of your toy! After you have assembled and programmed your “Bro-Fish” successfully, you are already familiar with the functionalities of its remote control. Just put the robot in the water now and see what happens if you activate different parts of the robot. You can follow these instructions to explore more features of your “Bro-Fish”. Never forget to carefully observe the reactions of your robot after every modification!

1. Change the rotation speed of the DC motor that activates the tail.
2. Change the shape of the shaft that is led through the tail.
3. Change the rotation angle of the bottom fin.
4. Change the rotation angle of the pectoral fins.
5. Replace the tail, bottom, static and pectoral fins by fins with other properties. Therefore, cut out any desired shape and size from plastic or buy our add-on package and attach it to your “Bro-Fish”. Try also different materials of other flexibilities. Only replace one fin at a time to better see its influence on the robot’s swimming behaviour.
6. Change the amount and distribution of masses in your “Bro-Fish”. Move the weights more to the front/back or left/right.

Understand it! Now try to create your “Bro-Fish” with the features you desire, for example, make it achieve high speeds or great maneuverability. You can practise your skills on an obstacle parkour and finally, enter one of our competitions to compete against other “Bro-Fish”.