

STRIKEBOAT

ROBOT MODULE

USER GUIDE

Thank you for purchasing a StrikeBoat Radio Controlled Bait Boat with the Robot Module

Please read this instruction manual before operation

If you would like to contact us please visit www.baitboat.co.uk

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PRODUCT KEY FEATURES

The Robot is a fantastic bait boat module that combines full GPS functionality and also a built in fish-finder.

The application is run from either an iOS or Android mobile device, available to download from the app store.

GPS & Maps

The GPS module application is powered by Google Maps ensuring reliable and up-to-date maps.

You can save up to 500 different baiting spots allowing easy and accurate baiting.

Navigating the lake is very easy, simply select the desired area on the map and send your boat there automatically.

Your boat has a return-home mode allowing you to bring your boat back to the bank without any manual input. This is especially helpful when it is dark or visibility is bad.

Cruising speed can be adjusted from the application.

The GPS system has various safety features. If your boat loses connection for more than 15 seconds it will automatically return home.

When using the application there is a live heads-up battery level display allowing you to bring your boat home should the battery level get too low.

Sonar Fish Finder

The built-in fish finder detects the water depth, water temperature, fish in the water and also the lake bottom.

TECHNICAL SPECIFICATION

Product Name	Robot Module
Product Model	2.0
Мар	Google Maps
GPS Accuracy	60 - 100 cm
Bluetooth Frequency	433Mhz
Bluetooth Range	300-500 m (Conditional by weather & environment)
Sonar Frequency	200Khz
Sonar Depth Detection	0.6 - 80 m
Warning Mode	Low Battery Warning / Shallow Warning / Arrival Alert
Information Display	Signal strength / satellite numbers Boat power / Sailing speed / Sailing distance /Boat direction Water temperature /Water depth Fish alert
Application Software Support	iOS 8+ / Android 4.3+
Input Power	6-12 v (Boat battery supply)
Output Power	15 W

PACKING LIST

Bluetooth Module: 1 pc
Antenna: 2 pc (Boat & Bluetooth Module)

Control Box: 1 pc

Mobile Bracket: 1 pc

Micro USB Charger: 1 pc Sonar Module: (Installed into boat) Control Box Power Wire: 1 pc Control Box Signal Wire: 5 pc

APPLICATION

To find the Robot application simply open the Apple or Android app store and search for the term "Fishing Robot" or "Devict".

The app is called **FishingRobot** and should be very easy to find on the app store of your chosen device.



Please contact us if you have any issues installing the application to your device.

Please note: There is currently no Robot application available for Windows device users.

APPLICATION DISPLAY

Icon	Icon Information
₹ 100% Signal Strength	Displays the bluetooth signal stength between the boat and the handset on the bank. This ranges from 0 - 100%.
Satellite Information	The higher the salellite number, the more accurate the positioning is. If the number goes below 6 the positioning will be less accurate.
Q 2.8 m Distance	Distance of the boat from the pre-set home position.
7 8.2v Battery Voltage	Current boat battery voltage. When the battery is low the voltage will flash and display in red. Bring the boat back to the shore when the voltage is low!
₩ 10.7 Water Temperature	Current water temperature.
1.36 Water Depth	Displays the water depth from the current boat position. If below 1 meter, the depth reading will flash and display in red to warn you of shallow waters.
Sailing Speed	Current speed of your boat.
onorth(6.8) Boat Direction	Current boat direction. North is 0°, east is 90°, south is 180° and west is 270°.

APPLICATION FUNCTION

lcon	lcon Information
or © O O O O O O O O O O O O O O O O O O	Access the main menu on the Robot application. Icon may vary depending on your device type.
Bait Spot	Baiting spot management. Record up to 500 different bait spots. Select baiting spots from this menu.
E Settings	Settings menu for the Robot application.
Calibration	Calibration options for your boat and Robot application.
Baiting Spot Map Icon	Baiting spot displayed on the map.
Handset Location Map Icon	This is where you and the handset are located on the map.
Boat Location Map Icon	Boat location on the map.
Home Location Map Icon	Location of 'Home' on the map. This is set by the user.
Connection Menu	Opens the connection menu to connect your device to the boat.
Save Baiting Spot	Save your baiting spot information.
Boat Re-Center	Re-center the map with the boat in the middle of the display. Helpful when you cannot easily find your boat on the map.
S Movement Toggle	When your boat is in motion, this button will toggle the map display from the boat icon moving or the map moving.
→ → ≪ → → Navigation Buttons	Open or close the sonar function. Exchange the surface between the map & sonar.
Sailing Mode	GPS mode - Boat controlled by the Robot application Manual mode - Boat controlled by the handset. Press again and the icon will change to the \$\mathbb{\Quad}\$ symbol. This will bring your boat home automatically.

OPERATION INSTRUCTION

Connecting your device to your bait boat

- Switch on your bait boat handset.
- Switch on your bait boat. The boat will go through its starting procedure and a "Beep" tone will sound when it is completed. Once the starting procedure is complete the boat will then go through its positioning setup. When completed, your boat will sound another 3x "Beep" tones.
- Install the antenna to the bluetooth box and switch the device on.
- Switch on the device you would like to use with the Robot Module and open the "FishingRobot" application. The device will show your GPS position on the map with the Q icon.



Note:

Usually your device will download the Google Maps layout. This will allow you to navigate your boat with the Robot Module without an internet connection.

 Click the picon at the bottom of the screen to connect your device to the application. Click "Scan for devices" and select the connection called "DEVICT".



Note:

Please make sure the Bluetooth function is activated on your device before attempting to connect it to the Robot application.

OPERATION INSTRUCTION

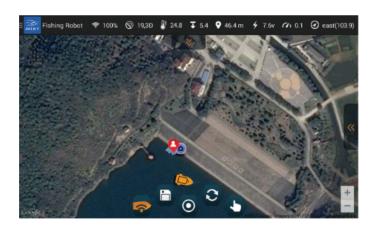


Note:

When connecting your device ensure it is within 1 metre of the Bluetooth module. It is best to keep your Bluetooth module in an elevated position.

We recommend attaching the Bluetooth module to the handset behind your device.

- Now your boat is successfully connected to the Robot application, the boats position will now display on the map view.



Setting the 'Home' location

Before using the Robot module functions it's important to set a suitable 'Home' location. The home location is usually close to the shore where you are fishing from.

- The 'Home' location is set automatically when first connecting to your bait boat. Place your boat in the water before connecting the Robot application. Once in the water, connect your boat to the application. Successful connection and 'Home' setting will be confirmed by 3x "beep" tones.
- There are two different ways to manually set the 'Home' position of your boat:

Manually drive the boat using the handset to the desired home location on the map.

Press and hold the screen on your device, a dialogue box will appear. Select: "Current boat position as home".

The 'Home' position is now set to the current location of your boat. **or**

Choose a place on the map. Press and hold the location of the desired 'Home' position on the screen, a dialogue box will appear. Select: "Current map position as home".

The 'Home' position is now set to the selected position on the map.



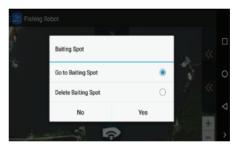
Cruise Function

The cruise function is the highlight of the StrikeBoat GPS Module. Your bait boat can be completely controlled without any manual input from the handset.

- After confirming that your 'Home' position is set, you can now navigate your boat by selecting a position on the map or selecting a pre-set baiting spot.

To set the bait boat off to its destination press and hold the desired location on the map and select "Go to the goal". Confirm by selecting "Yes". The boat will now automatically navigate to the selected location.





 When your boat has arrived at the destination, the map will display a red circle with an alert to remind you that your boat has arrived.
 Your boat will then revert back to manual mode with the icon displayed allowing you to bait or drop a line.

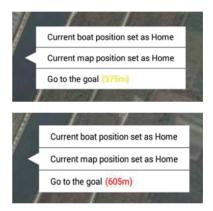


Cruise Function Notes:

Please note the distance & colour indications. The closer to green the safer the distance is. As the distance increases the colour goes red, meaning the desired distance is not as safe.

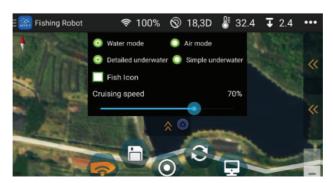
We do not recommend operating your bait boat in unsafe distance ranges. If the signal is lost for more than 15 seconds whilst operating any distance, be it safe or unsafe, the boat will automatically navigate back to the selected 'Home' position.





The cruise function is a direct line navigation. Please ensure that there are no potential obstructions on the route.

You can adjust the boats cruising speed by accessing the top menu by pressing the icon. The cruising speed can be adjusted here.



Back Home Function

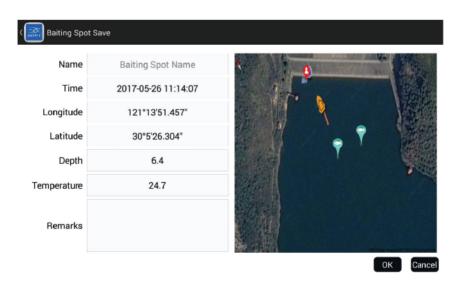
Please ensure that you have pre-set your 'Home' position prior to navigating using the cruise function.

To bring your boat home simply press on the icon. A \mathbf{Q} icon will now display, and your boat will begin to return back to the pre-set 'Home' position.

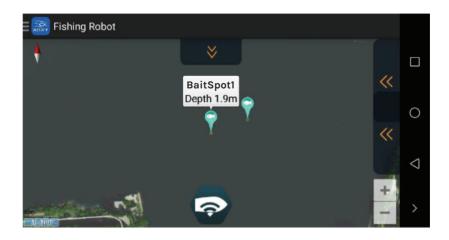
Whilst the boat is travelling back 'Home', the manual input from the handset will now work. To revert back to manual control simply press the \mathbf{Q} icon again, a icon will display once again and you can now control the boat in manual mode one again.

Baiting Spot Management

Once the boat has arrived at the destination you can save this position as a baiting spot by pressing the icon with the exact location and you may also add some comments if necessary.

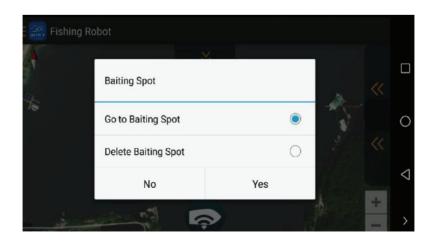


To cruise to a pre-saved baiting spot press on the (2) icon and a box with the baiting spot name and water depth will appear.



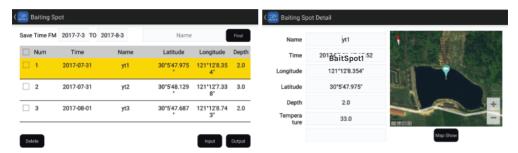
Press on the baiting spot information box to display the options menu. You can now select "Go to baiting spot". This will send your StrikeBoat directly to the baiting spot.

From this menu you can also delete the baiting spot should you wish to.



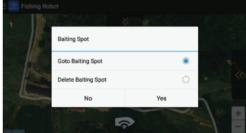
Instead of pressing the [icon on the map display, baiting spots can be selected from the main baiting spot management menu.

Simply select the baiting spot you would like your boat to navigate to and an information screen will be displayed.



Select the Map Show button and the selected baiting spot will display on the map. Press on the baiting spot information box to display the options menu. You can now select "Go to baiting spot". This will send your boat directly to the baiting spot.





Press the or the icon in the top left of the application. The main menu will now open.

Press on the 🀱 Baiting Spot option to access your list of recorded baiting spots.

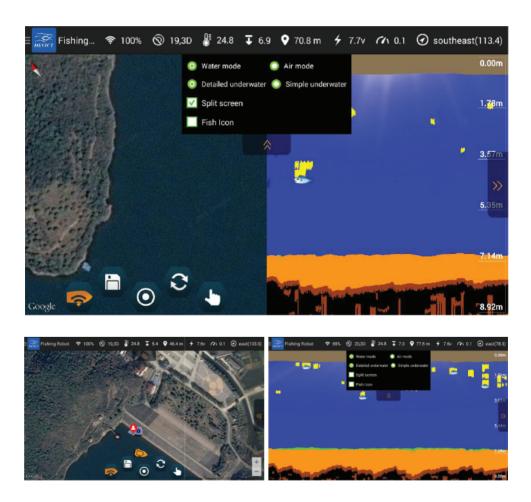
In the baiting spots list you can rename your entries, update remarks and delete baiting spots.

SONAR INSTRUCTION

Sonar Fish Finder

To switch from the GPS map to the sonar fish finder, simply press the symbol. To revert back to the map GPS view select the sicon.

On devices with very large screens you may also be able to display both the GPS map and the fish finder (As pictured below). This will depend on the operating system and size of your devices screen.



SONAR INSTRUCTION



The sonar detection displays from right to left. The right side of the screen is your boats current location in the water.

The metre on the right hand side of the display shows the water depth.

The colour displays are as follows:

Grey area: Blind zone (Above the water)

Yellow area: Detection data (Including fish in the water)

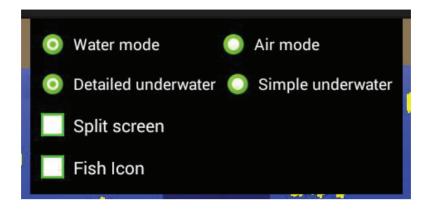
Blue area: Water

Green Area: Bottom of the water zone (i.e: Grass or soft soil)

Orange Area: Bottom of the water zone (i.e Hard bottom)

Brown Area: Bottom area (No echo data)
Black Area: Bottom area (No echo data)

SONAR INSTRUCTION



In the top section of the screen press the vicon to display the sonar menu. Press the con to close this menu.

Water mode:

This is the default setting for the sonar fish finder.

Air Mode:

This displays data from the air and is only used for testing the sonar when not in the water.

Detailed & Simple Underwater:

Detailed underwater is the default display. Simple mode is a simplified version that only shows fish and depth data.

Split Screen:

Choose to display the GPS & Sonar in a split screen. This setting is only compatible for devices with larger screens.

Fish Icon:

Selecting this option will display a small fish icon on the sonar graph indicating the likelyhood of a fish. When a fish is detected an audible alert is also sounded with this option selected.

SYSTEM SETTINGS



Selecting the 🚞 icon will open up the main menu.

Select the settings options to adjust the system settings for the Robot application. The options are as follows:

- Map type:
 - General map or satellite map. General map is a standard map view and the satellite map uses the satellite images taken from Google earth. Please note: Satellite view may not be available in all areas.
- Reserve time for footprint (S):
 How long in seconds the boats route footprint is displayed on the map.
- Low voltage warning (V):
 Sets the low voltage warning of the boat battery to help prevent the boat from losing power whilst out on the lake.
 (Lead Acid batteries require a warning voltage of 5.8V and a Lithium battery requires a warning voltage of 6.8V)
- Run Similation:
 This is used for demonstration purposes and does not need to be activated.

MOBILE DEVICE HANDSET MOUNT



To attach the device holder to the handset, remove the small hexheaded bolt and nut from the bottom of the mounting arm.

Push the mounting arm over the silver tab in the middle of the handset.

Secure the mounting arm in place with the hex-headed screw and nut.



Once the device is mounted to the handset, it is recommended to mount the Bluetooth module on the back of the device holder.

It can be secured on using the supplied velcro strap.

If you decide not to mount the module on to the back of the device holder, it is recommended to have the module elevated at least 1 meter from the ground and with a clear line of sight from the shore to the boat.

This will ensure a good connection is maintained between the boat and the mobile device.

NOTES





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