# NG50 Bait Boat User Manual

The NG50 bait boat is equipped with the revolutionary Navison system from the Navison Group, making it the ultimate solution for carp fishing enthusiasts. With features such as self-calibration, unlimited storage of fishing spots, and highly precise navigation, the NG50 bait boat has been designed to enhance your fishing experience. The user-friendly Navison app allows you to edit GPS routes, detect low battery voltage, and effortlessly control your boat. With the optional echo sounder fishfinder, you can locate fish, measure depth, and receive real-time weather and temperature data. The long range and fail-safe auto-home mode ensure the safety of your bait boat, while the lithium batteries provide up to 24 hours of outdoor use. The Navison app supports 23 different languages, making it accessible to anglers worldwide.
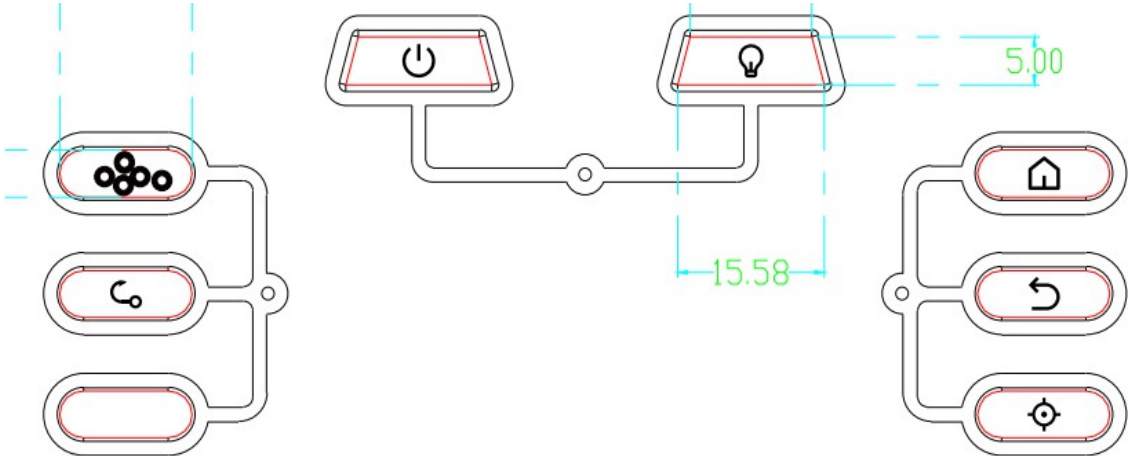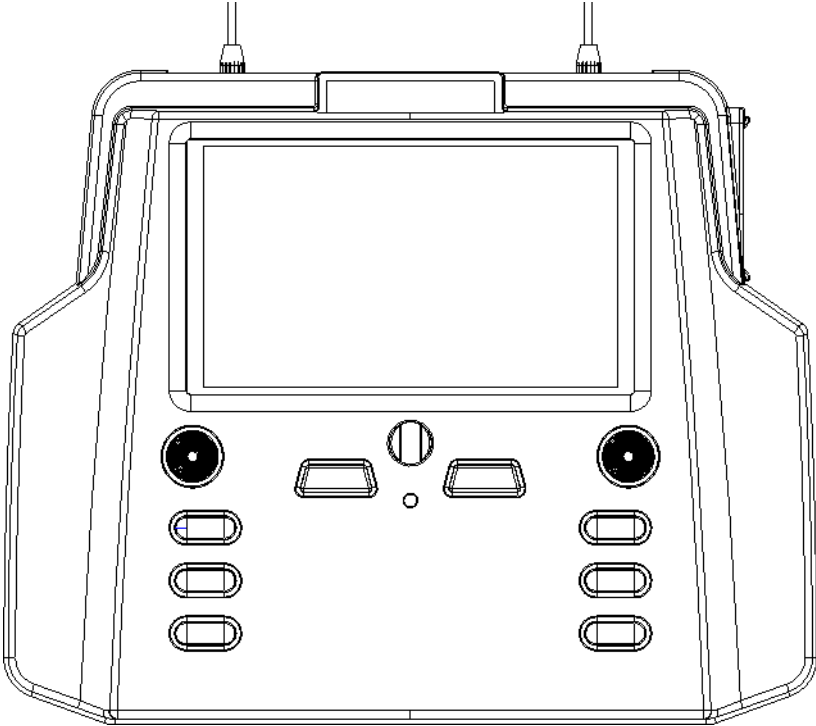
Chapter 1 Product Introduction

**Terms of Use**

1. Before use, please check all plugs to ensure they are securely inserted.
2. Before turning on the product, the hull of the bait boat must be placed in the water to ensure that the sonar sensor is fully submerged.
3. The remote-controlled bait boat must be placed outdoors to receive the GPS signal.
4. The remote-controlled bait boat can only be operated after the GPS signal has been located and the compass is functioning normally.
5. If the GPS and compass symbols are red, the function is not working properly. If they are white, the function is normal.
6. Do not use hard objects to knock, as this may damage the sonar sensor.
7. Ensure that the product is used within the depth measurement range. If the location is too deep or too shallow, the product may not function properly.
8. If there are too many aquatic plants in the water area, this may affect the accuracy of the product.
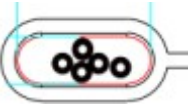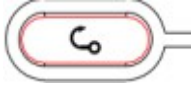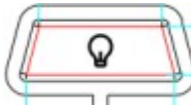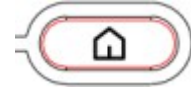
Packaging List This product includes the following components:

1. NG50 bait boat and bait boat antenna
2. Remote control handset, handset antenna, and smartphone holder
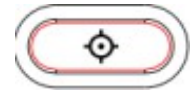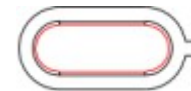3. Lithium battery for NG50 bait boat and charger
4. Built-in lithium battery for NG50 handset and charging cable
5. Carry bag

Definitions of the remote control buttons:

5.00

15.58

| | Power On/Off Button: Used to power the remote control on and off. |
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| | Bait Container Release Button: Press this button and then push the left joystick to the left, right, or down to release the left, right, or rear (if available) bait containers accordingly. |
| | Hook Release Button: Press this button to release the hook, then push the left joystick to the left or right to release the first and second (if available) hooks accordingly. |
| | Lights Button: Press this button to turn the boat lights on and off. |
| | Home Button: Press this button to set the current position of the bait boat as the return (home) point. After successful setting, an audible alarm will sound from the remote control, and the app will display "Return point set successfully |
| | Return Button: Press the return button, and the bait boat will return from its current position to the home location. |
| | Calibration Button: Place the bait boat in the water, press the calibration button, and the bait boat will calibrate automatically. Upon completion of the calibration, it will remain in its current position. |
| | Blank Button: Used to calibrate the joystick. Each joystick may vary slightly, so it's advisable to calibrate the joystick upon first use. |
| | Left Joystick: Used to execute commands for releasing bait and hooks. |
| | Right Joystick: Used for directional and power level commands. |

Further definitions for the remote control handset:

- Power On (Turn On): Press and hold for 3 seconds to power on.
- Powered on, but Wi-Fi is not connected: Red light stays on steadily.
- Powered on and connected to Wi-Fi: Red light blinks.
- Charging: Blue light stays on steadily.
- Fully charged: Blue light turns off.
- Calibration: Red light and green light stay on steadily.
- Power Off (Turn Off): Press and hold for 3 seconds to power off.

Software Installation

Users can download the "Navison" application software for Android and iOS smart devices for free using the following symbol:
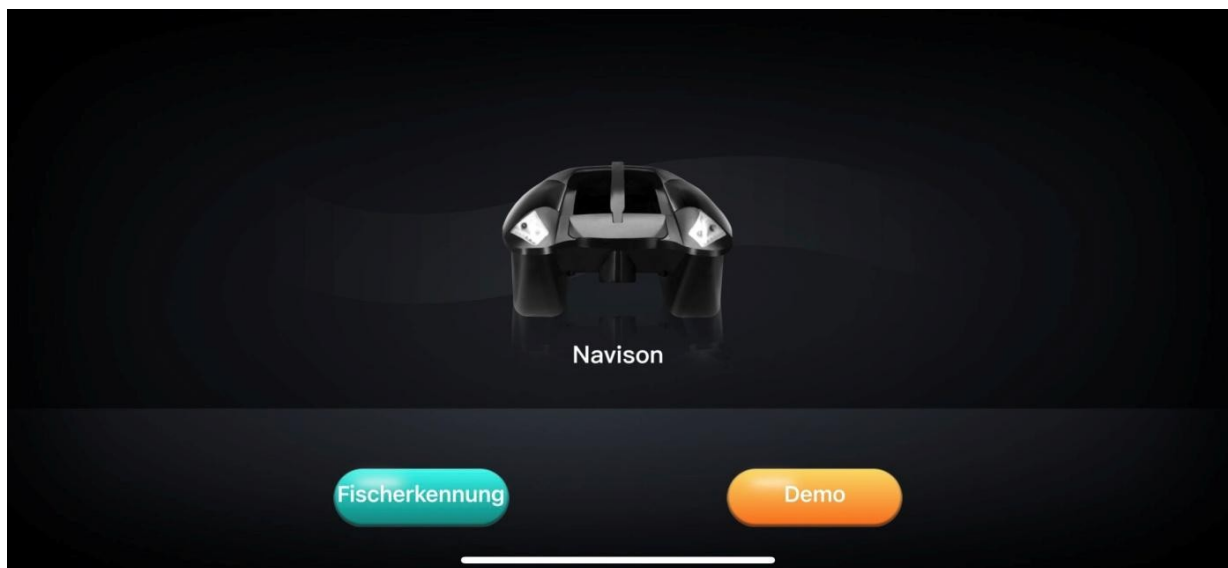


In the Google Play Store (Android) or the App Store (iOS), enter the keyword "Navison" to find this app.

Compatibility and Minimum Requirements for Smart Devices:

- Android devices from version 4.0 and higher
- iOS devices from version 10.0 and higher

Basic Settings Run the Navison app and switch to demo mode.



Click on the blue arrow on the right side and enter the menu. Click on the "RC Boat" menu. Here, you will find the buttons for releasing the bait containers, hooks, or changing the app language.
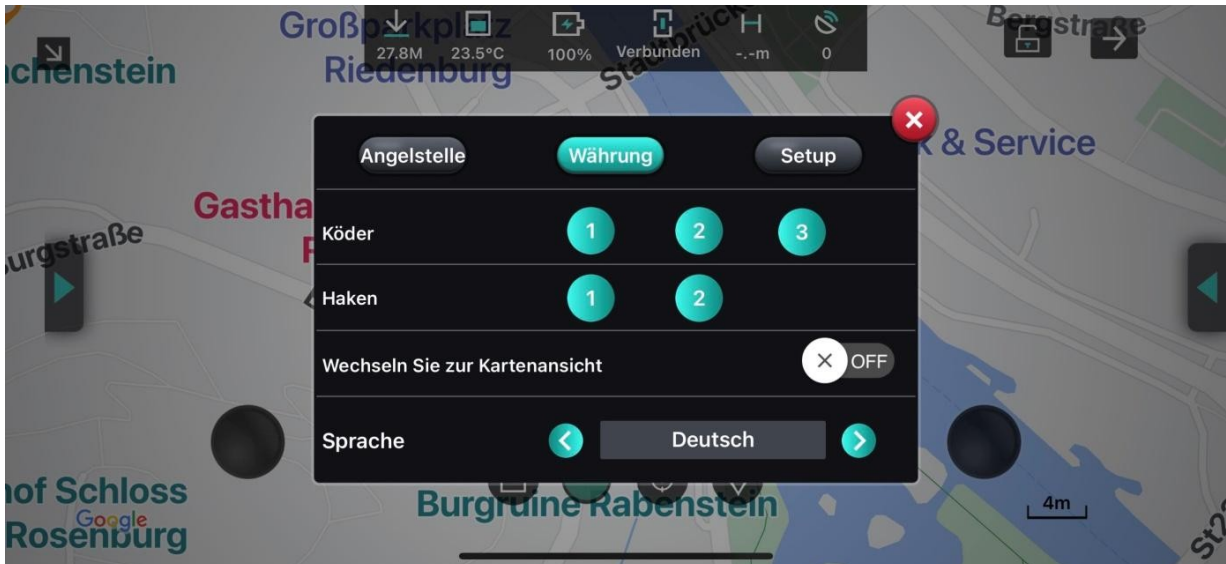
Click on the "Setup" button, select Google as your default map, and confirm the settings.
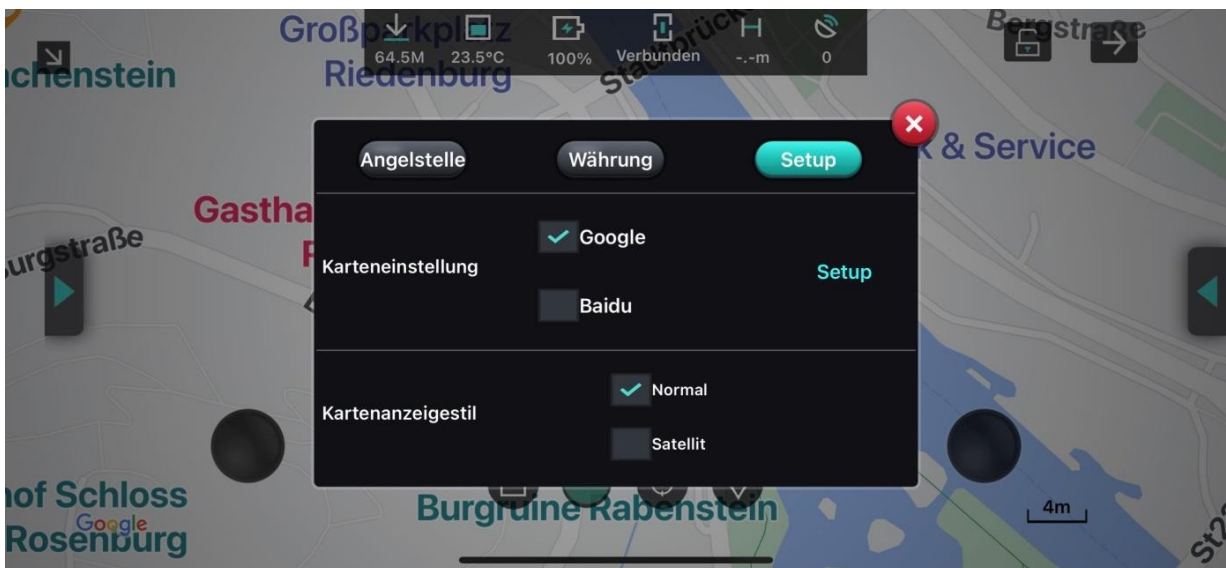


**To download the Google map**,

click on the arrow on the right side to open the menu. Then click on "Echo" or "Map" and select "Map."

To download the Google map, drag the map view to the location you want to download and zoom in to the maximum. This will allow you to download the map currently displayed on your phone. If you want to download the map for other locations, drag the map again and download the desired location.
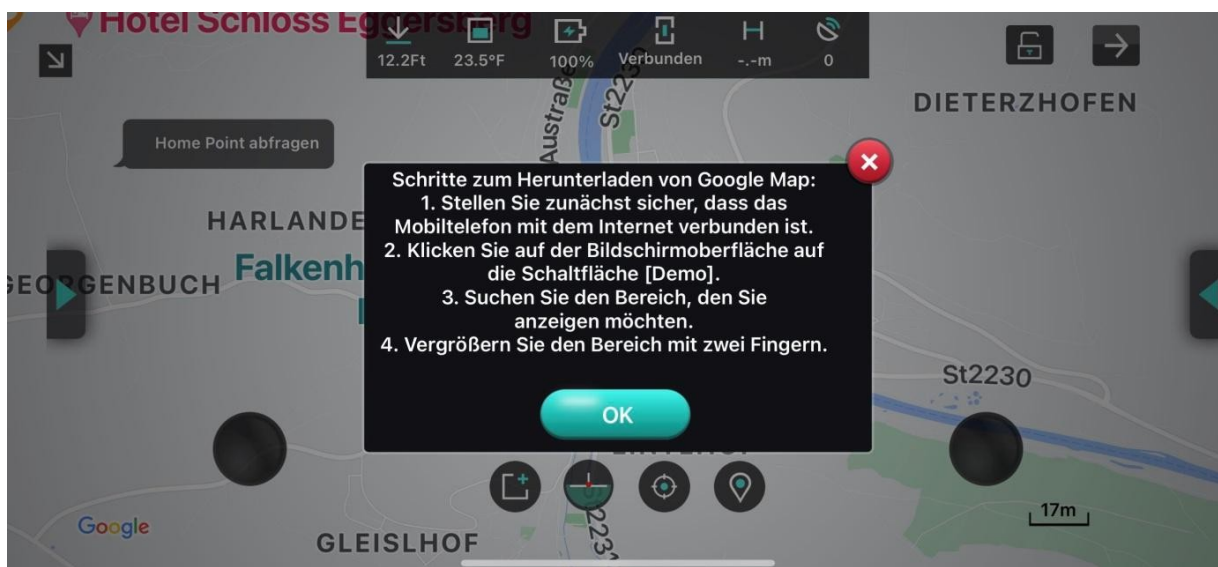
1. Check if all plugs are securely connected (loose plugs can lead to poor contact or affect normal function, impacting user experience).
2. Turn on the power switch of the bait boat.
3. Long press the button on the remote control handset to turn on the remote control.
4. Take your smartphone and connect it to the Wi-Fi "NavisonApp-" to customize all functions. (You can also connect to "Navison-" to control the boat with your smartphone. The remote control operation of the bait boat is invalid if you connect to "Navison-***"). Remote control functions include speed control, direction control, setting the return point, one-click return, bait release, hook release, one-click LED light switch, calibration.
5. Enter the app and check if the GPS signal is normal. If it's normal, the GPS symbol at the top of the app screen will be white, and it will blink in the upper left corner of the app screen to indicate that the compass is normal. In this case, the Navison system is functioning properly. If the GPS symbol is red or "Compass abnormal" is displayed in the upper left corner of the app screen, you need to move the boat outdoors for GPS and compass to function properly, and then reconnect. If the window "Sonar data not captured" is displayed in the upper left corner, it means that the Wi-Fi is not connected or disconnected and the boat data is not returned. Check if the Wi-Fi is successfully connected in the phone settings.
6. Once communication between the smartphone and boat system is established, rotate the right joystick on the remote control or adjust the right analog joystick in the app. You will hear the sound of the motor. This confirms that control of the bait boat via your smartphone or the remote control is successful.

Compass Calibration Before using the bait boat for fishing, it is necessary to calibrate the ship's compass. You can place the boat about 2.5 meters away from the shore.

Set the water surface and use one of the following two methods for calibration:

Method 1: Right menu bar -> RC Boat -> Setup -> Compass Calibration -> Start. The boat will then rotate in the water and calibrate automatically. Click "Confirm" once the calibration progress bar in the app reaches 100%. Calibration is completed, and the boat stops at its original position.

Method 2: Press the calibration button on the remote control. The boat will rotate in the water and calibrate automatically. After calibration is complete, the boat will remain at its original position.

Once calibration is successfully set up, the position of the bait boat, the orientation of the bait boat, and your standing position on the Navison app screen should match the symbols displayed there.
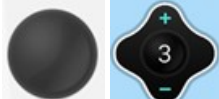
**Schnittstelle der Navison-App**
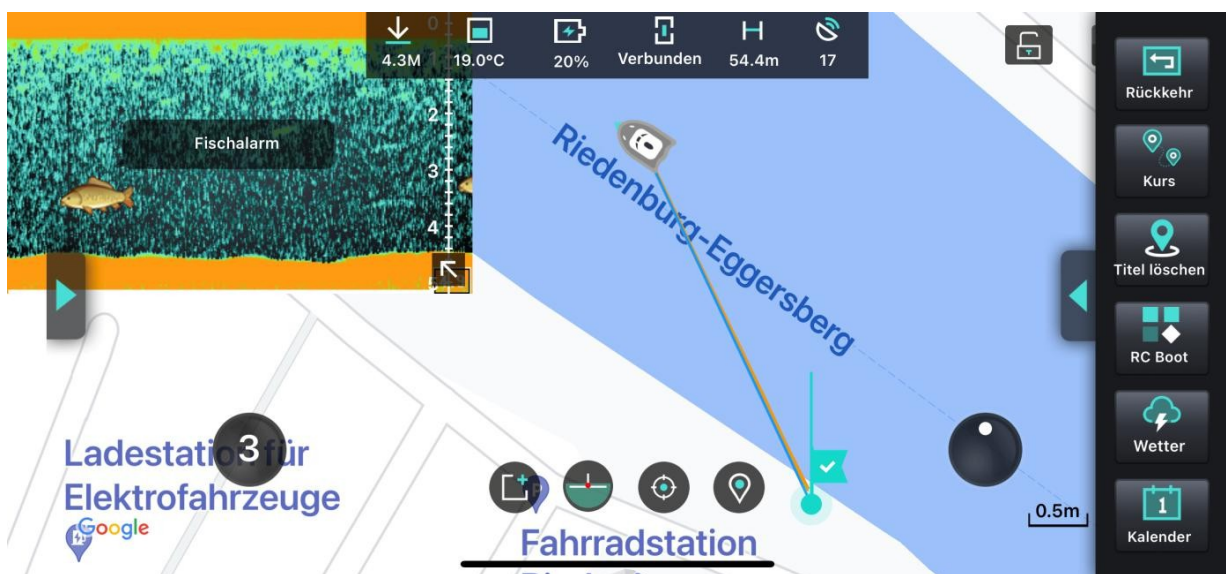


This symbol represents the position of the boat. The green arrow in front of the bait boat represents the orientation of the boat. The orange line indicates the direction of travel of the boat. The blue line represents the relative position between the boat and the mobile phone (the person). The green line shows the orientation of the phone (the person).

This symbol indicates the location currently set as the home point (return point).
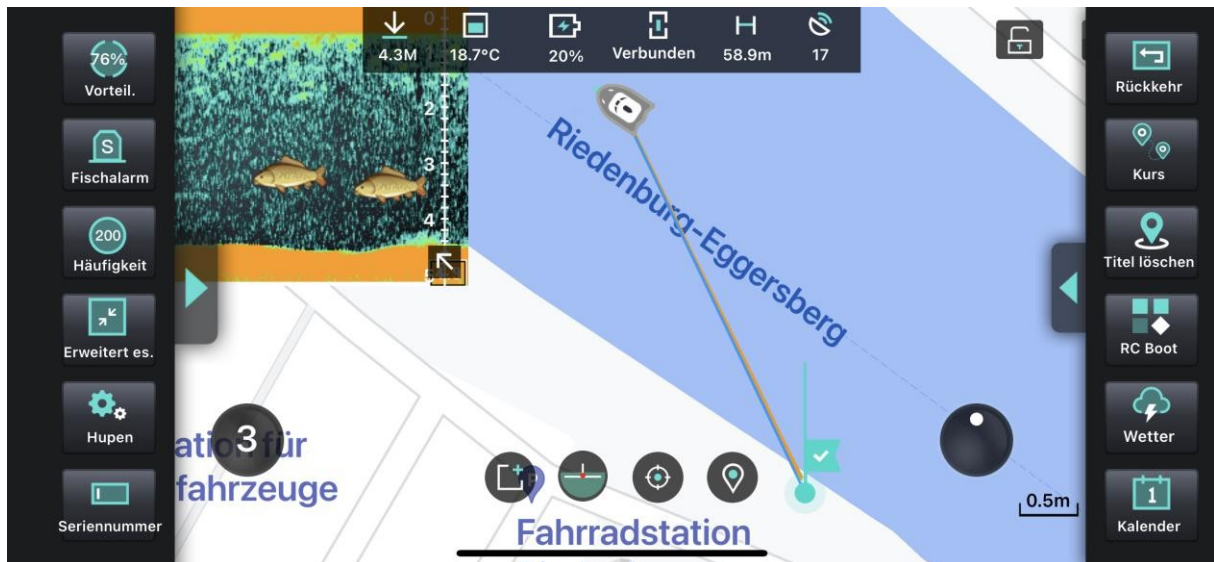
1. ▶ Button to Hide/Reveal the Left Sidebar: Click to hide or reveal the left sidebar.

2. ◀ Button to Hide/Reveal the Right Sidebar: Click to hide or reveal the right sidebar.

3. Sensitivity: Also known as gain, used to adjust the sensitivity of the sonar.
4. Fish Alarm: When the fish symbol is activated, an alarm will sound if a fish is detected within the sonar's scanning range as the boat traverses.
5. Frequency: Toggle the scanning frequency of the sonar.
6. Expand it: In sonar mode, double-scale the right sonar signal to display the sonar status in the left window.
7. Main: Adjust the parameters of the sonar in sonar mode.
8. Serial Number: For factory settings.
9. Return: "Return" is used to return to the boat with a single click. Press it to automatically send the boat back to the home point.
10. Course: Set the route for the autopilot.
11. Map/Sonar Switching Window: Used to switch between the map and sonar user interface. In the small window mode, you can adjust the size of switching between sonar and map windows.
12. RC Boat: Adjust the parameters of the boat.
13. Weather: Display the weather data for the current day and the weather forecast for the next 4 days.
14. Calendar: Display the calendar, you can write daily records and notes.
15. Left Joystick: Speed adjustment button, looks like a circle when not in use, expands to button shape when in use. You can slide up and down, there are three speed levels to choose from, slide up to increase, and down to decrease.

16.   Right Joystick: Direction adjustment button, appears as a circle when not in use, expands to a button shape when in use. You can slide up and down as well as left and right to control the boat forward, backward, left, or right accordingly.

17.  Water depth: The water depth at the current boat position.

18. Water temperature: The water temperature in the current water area.



19. Display of Boat Battery Power: Indicates the percentage of the boat battery. If the battery capacity is below 10%, the boat will automatically return. If the boat is manually controlled, it will continue the return process.



20. Connection Status: Current Wi-Fi connection status (connected and disconnected).



21. Distance: The distance between the boat and the home point.



22. GPS status display and number of satellites: Displayed in white when the GPS signal is normal, displayed in red when the GPS signal is abnormal. The number below represents the current number of satellites found. The more satellites found, the more accurate the positioning. If the number of satellites is less than 3, the boat cannot be located.



23. When the lock is open, the map can be moved. Slide on the map to move the current map view to other locations. Click once to switch to the locked state. When the lock is closed, the map cannot be moved anymore, only the current location is displayed, and zooming in/out of the map is possible. Click again to unlock the map and switch to the movable map mode.



24. Add Fishing Spot: You can add the current position of the boat as a fishing spot. You can give it a custom name or select the position on the map to save the fishing spot.
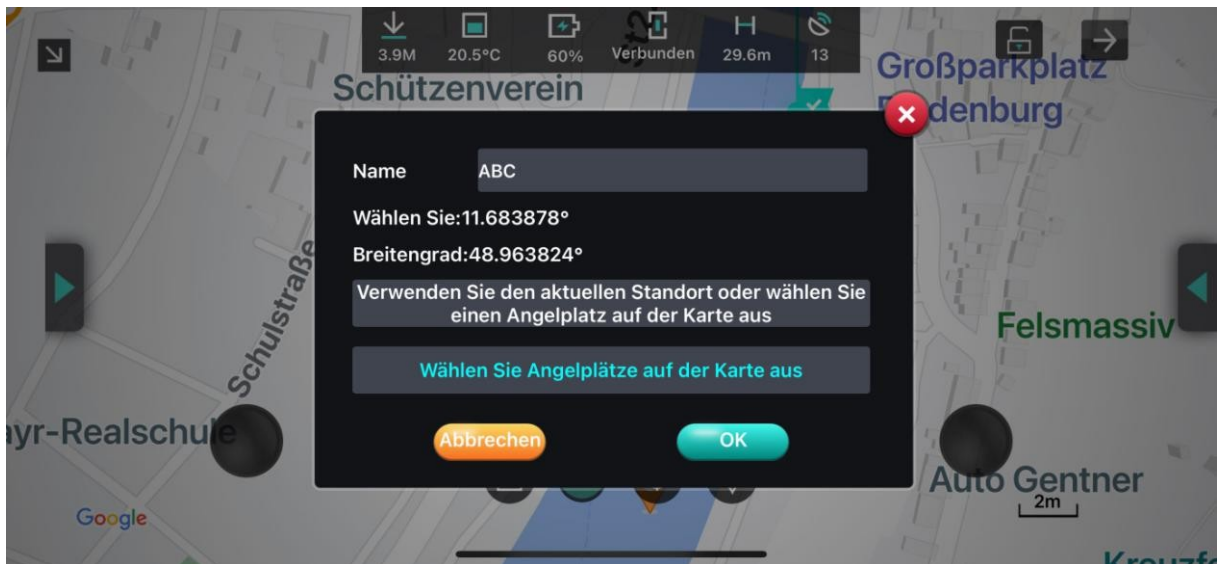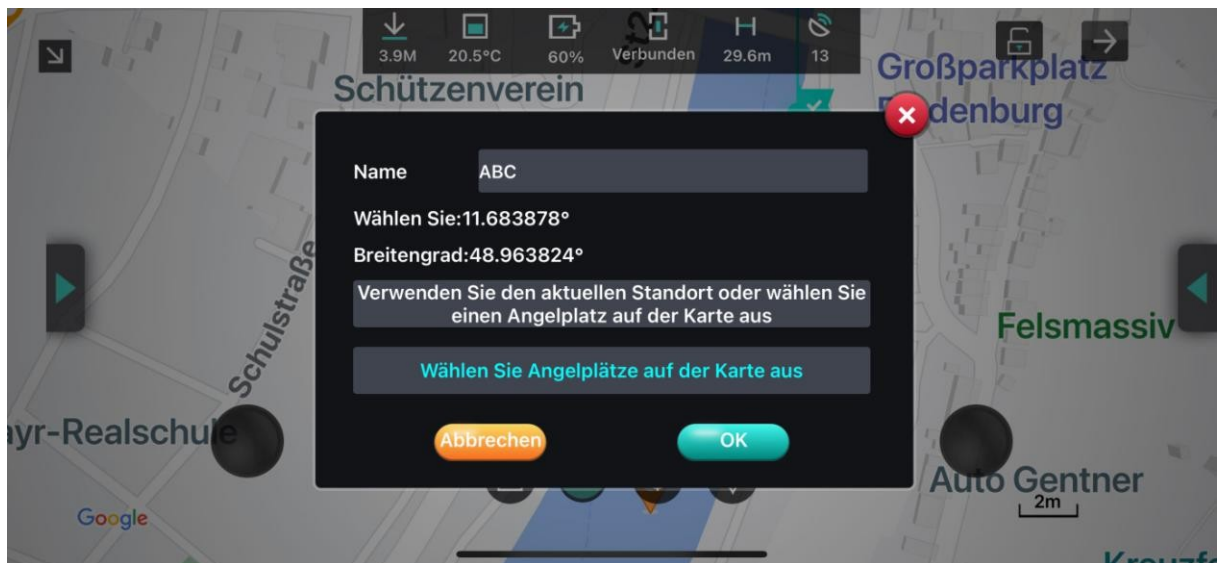
1.  Boat Attitude: Indicates whether the boat is in a horizontal position.

 Return to the current location position of the phone.

2.  Display all saved fishing spots in the current water body. When the fishing spots are displayed, click on the fishing spot icon. Then, the "Go to Fishing Spot" dialog box will appear. After clicking on it, the boat will automatically navigate to the selected fishing spot. If you select another fishing spot while the boat is navigating to the first selected spot, a popup window will appear asking if you want to cancel the current navigation process. If you choose "No," the boat will first navigate to the first fishing spot and then to the second fishing spot. If you choose "Yes," the boat will go directly to the second fishing spot.

 Click to open the popup window.

 Click to hide the popup window.

**Select a fishing spot on the map and give it a name.**

You can also save a location from the map as a fishing spot. Press on the water area on your smartphone screen, two buttons ✔ and ✖ will appear to confirm or cancel the selection.
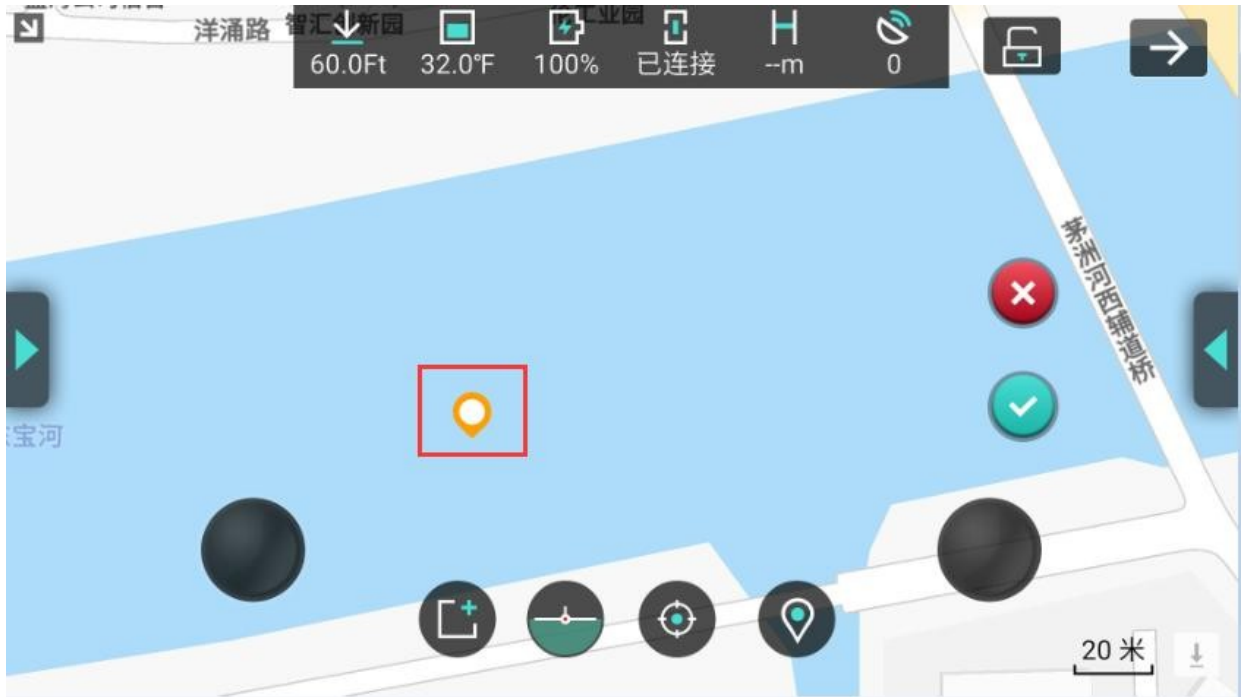


Then click on ✔, and a pop-up window will appear to save the new fishing spot.