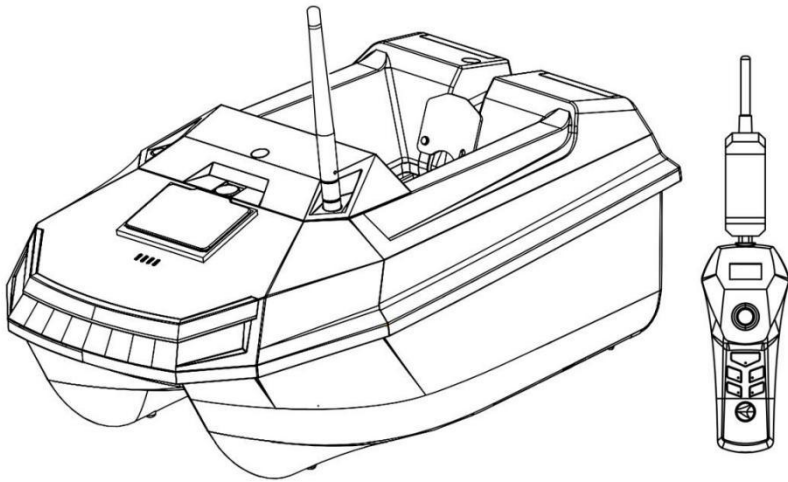




# USER MANUAL

INTREPID (AKA “CatchX Mini”)

GPS BAIT BOAT



SCAN THE QR CODE TO WATCH THE TUTORIAL VIDEOS



**NOTE:** Always set a home point before voyage, no matter manually or by app.

Please refer to the troubleshooting page under section 8 in the manual to address common issues.

# 1. Specifications

## Boat

Weight Inc Battery:	2.8 kg
Dimensions:	H21.3cm*W31.4cm*L48.2cm
Number of Hoppers:	1 hopper
Max Speed:	1m/s
Range:	400 meters for remote control; 250 meters for app control
Hopper Capacity:	1.5kg
Run Time on a Full Charge:	2hrs continuous play time (calm water)
Boat lights:	1 front white; 1 rear red
Operating Temperature:	-10~45°C
Storage Temperature:	-20~25°C (15 months)
Radio Frequency:	2.4GHZ
Waterproof Level:	Top: splash resistant Bottom: fully waterproof.
Battery Type:	Li-ion Battery Pack
Capacity:	7500mAh * 1
Voltage:	7.4V

## Remote

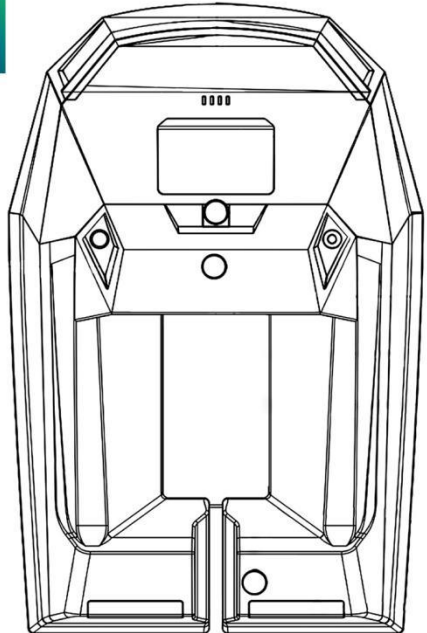
Frequency:	2.4GHZ
Play Time:	3hrs continuous play time
Waterproof Level:	No
Battery Type:	18650 1S 1P
Capacity:	3200mAh
Voltage:	3.7V

\*We strongly recommend using the chargers supplied by Rippton for trouble-free charging.

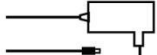
# What's inside?



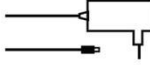
Boat



Battery



Charger for boat battery



Charger for remote (Type-C)



Adaptor cable for charging



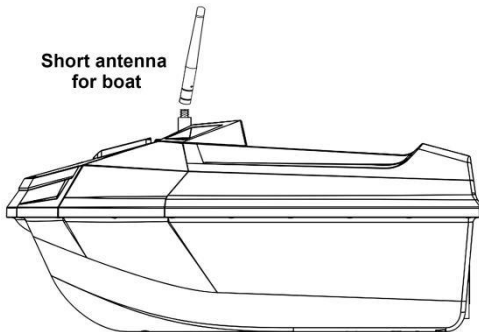
Short antenna for boat



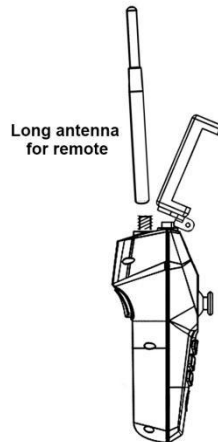
Long antenna for remote



Remote



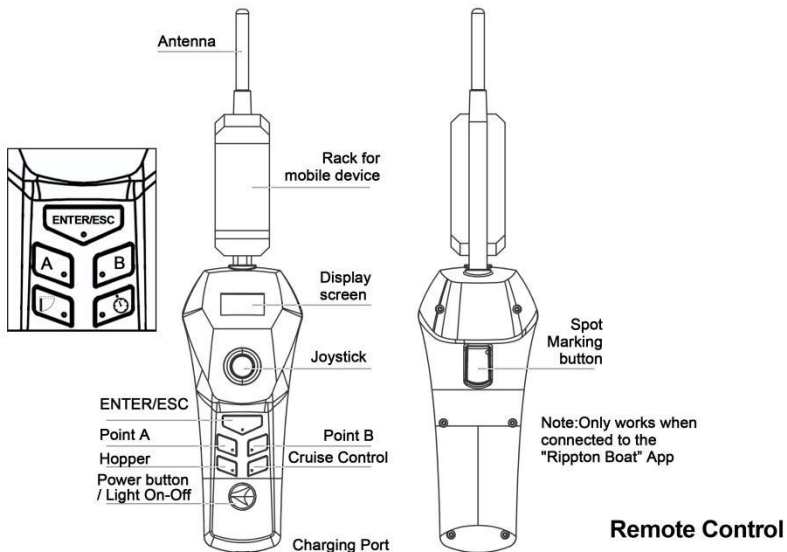
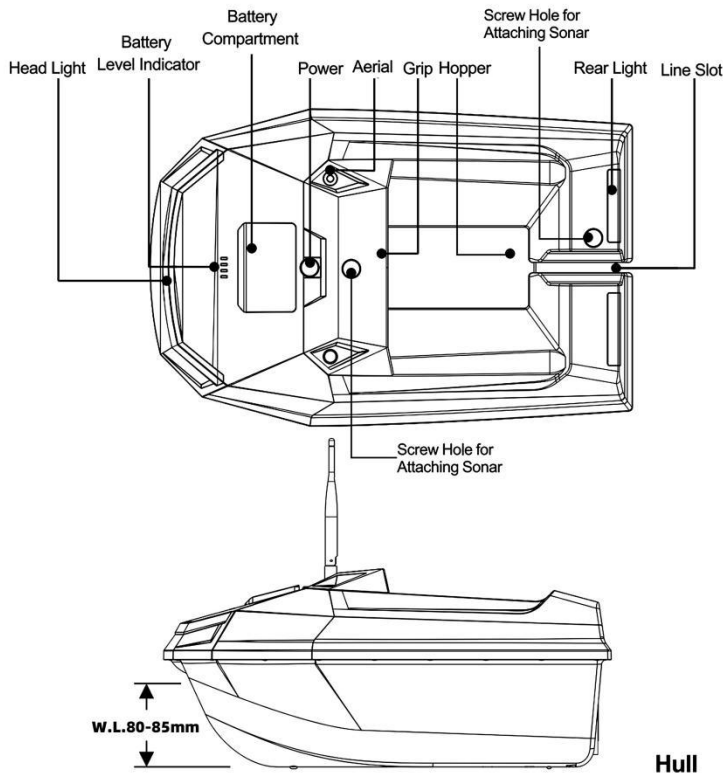
Short antenna for boat



Long antenna for remote

Due to product hardware upgrades or software updates, the parameters and interface in this manual may be subject to changes. You can visit our official website to download the latest version. <https://www.ripton.com/support>

# 2. Overview of Hardware



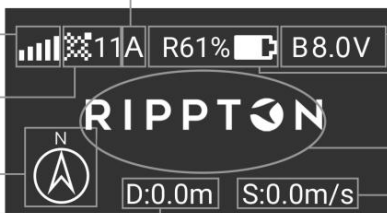
Mode (A:Auto/M:Manual)

Signal strength

Number of satellites

Direction of boat's bow

Distance



Voltage of CatchX

Power level of RC

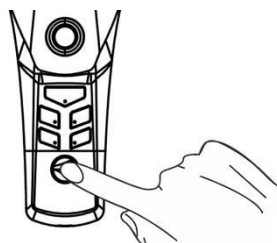
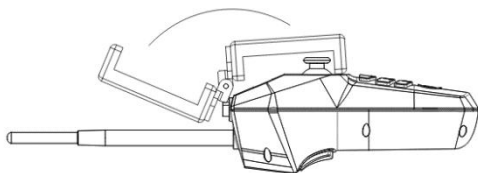
Info bar

Speed

## 3. Instruction

### 3.1 HOW TO USE THE BOAT ONLY WITH REMOTE

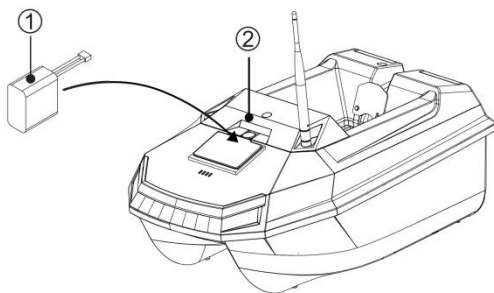
#### 3.1.1 TURN ON THE REMOTE



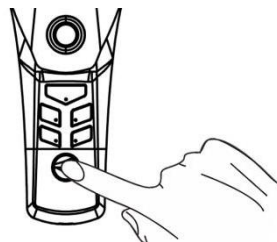
Unfold the rack and **long press** the power button for 2 seconds.

**Note:** The remote control is not waterproof, please keep it out of contact with water. The remote control will vibrate when reaching a low level of power.

#### 3.1.2 TURN ON THE BOAT AND LIGHT



**Short press** the power button of the remote to switch the lights on/off.



- Place the boat battery in the compartment, power on and close the compartment properly;
- Place the boat on the level ground, **short press** the power button of the boat and wait for 10 seconds till the boat is on (a long "beep" will be heard when activated).

**Note:** To optimize the performance of the boat, please ensure it is placed on the level ground when to be activated.

📶 15 M R74% 🔋 B8.0 V

✅ Ready to control

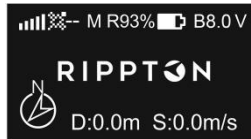
📶 -- M R74% 🔋 B8.0 V

❌ Waiting for connection

**Note:** Suggest using the boat normally after the signal strength is full and the number of satellites is **15** or more.

### 3.1.3 CALIBRATION

- Put the activated boat in water first. Then, simultaneously **press and hold** both the “**Point A**” button and the “**Point B**” button for 3 seconds, to enter the calibration process.



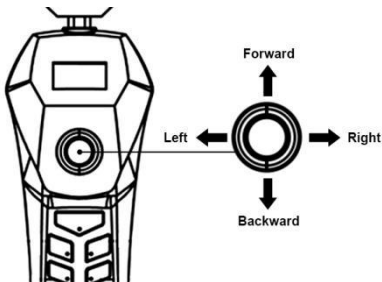
Calibration...

- The boat will spin in place to conduct the calibration automatically. When the calibration completed, the display screen of the remote will give you the success notice. In case of any failure occurring due to interference, the boat will stop spinning after 40 seconds and correspondingly give the relevant notice.

Calibration  
success

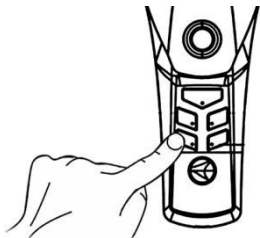
### 3.1.4 FULL MANUAL OPERATION

#### 3.1.4.1 MOVEMENT



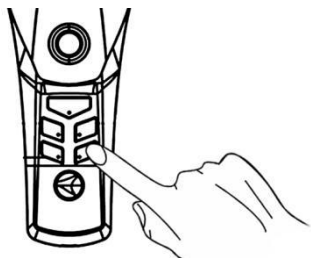
- Under the Manual Mode, you can control the boat towards any direction by pushing the joystick correspondingly.
- The highest speed is about 1m/s.

### 3.1.4.2 HOPPER RELEASE



- **Long press** the “Hopper” button for 3 seconds, to drop baits/berleys in the hopper.
- After dropping, please restore the hopper board to the original position manually.

### 3.1.4.3 CRUISE CONTROL



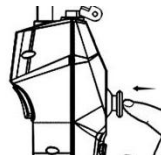
- **Long press** the “Cruise Control” button for 3 seconds, to set the boat sailing automatically in a straight line.
- **Pulling down** the joystick is to quit the “Cruise Control” mode.

### 3.1.5 AUTO-OPERATION

#### 3.1.5.1 HOME POINT SET AND USAGE

##### ◇ SET

- Drive the boat to a point that you intend to set as the home point;
- Short press down** the joystick, a prompt box will pop up on the screen as follows:



Press ENTER to  
set Home

- Short press** the “Enter/ESC” button, the screen will display the following prompts to indicate success or failure.

Set success

Set fail

**Note:** It is important to set the home point after calibration, even if you only wish to run the boat manually. **With the home point, the boat will be able to do the Return-to-Home by remote or when low battery or signal lost.**

✧ **USAGE**

- d. **Long press down** the joystick to activate the Return to Home.

Upon reaching the home point, an "Anchor" symbol will appear on the screen, accompanied by a gentle vibration every 3 seconds as a prompt.



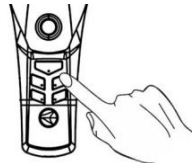
If you want to cancel the Return to Home in the middle way, just **press and hold** the "Enter/ESC" button till canceled.



**3.1.5.2 TASK POINT SET AND USAGE**

✧ **SET**

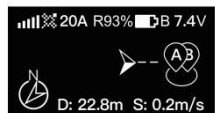
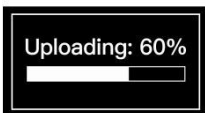
- a. After the home point determined, drive the boat to the position proposed for dropping baits/berleys. This mini boat allows you to set 2 task points: *Point A* and *Point B*;
- b. **Short press** either the Point A button or the Point B button, a prompt box will pop up on the screen as follows:



- c. **Short press** the "Enter/ESC" button, the screen will display "Set success" or "Set fail".
- d. After one point is set, another point can be set subsequently.

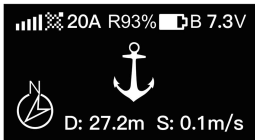
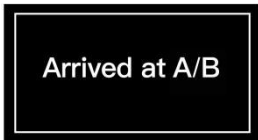
✧ **USAGE**

- e. **Long press** the button for Point A/B you set to perform the task:

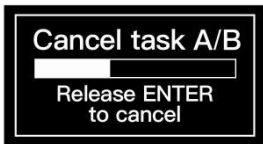




- f. Upon reaching the assigned point, an "Anchor" symbol will appear on the screen, accompanied by a gentle vibration every 3 seconds as a prompt. **Please long press the Hopper button to release the berley or baits manually.**

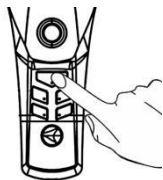


If you want to cancel the task in the middle way, just **press and hold** the "Enter/ESC" button till canceled.



### 3.1.5.3 EXIT THE AUTO MODE

When you select either the "Return to Home" or execute an A/B point mission, you are in the auto mode. When the boat reaches the designated waypoint, an "Anchor" will appear in the screen and your boat still stays at the auto mode. If you want to switch to manual control, you need to **press and hold** the Enter/ESC button to exit the auto mode.



If you have used the "Rippton Boat" app to perform an auto task and want to regain control using the remote, you also need to **press and hold** the Enter/ESC button to exit the auto mode.

## 3.2 HOW TO USE THE BOAT WITH APP

### 3.2.1 DOWNLOAD THE APP

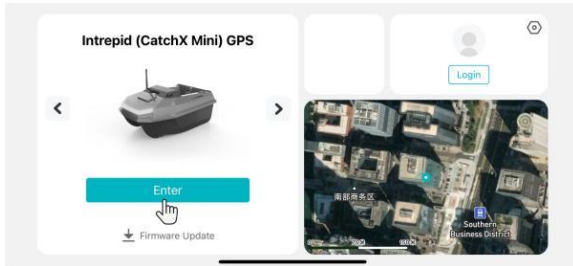
Please search “**Rippton Boat**” in the APP Store for your iOS equipment, or in Google Play or Samsung Galaxy Store or Huawei Store for your Android equipment, or scan the QR code below to download the app, for controlling the boat in a much easier way. Installing the app requires **Android System 8.0 or above** and **iOS 9.0 or above**



Rippton Boat

### 3.2.2 MAP PRELOAD IN ADVANCE

Before connecting the boat to your mobile device (which will temporarily restrict your device's access to the internet), it's essential to first access the operation interface of the "Rippton Boat" app while connected to the internet. This step is crucial to preload the map of your fishing destination for a seamless experience.



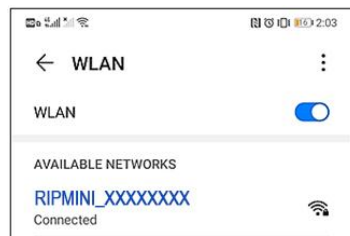
The map for your current location will be pre-loaded automatically after entering the operation interface. When you see the map loaded and displayed like below, it means the map preload has been successful.



**Note:** Without preloading the map, it will cause the connection failure between the boat and your mobile device.

### 3.2.3 CONNECTION WITH APP

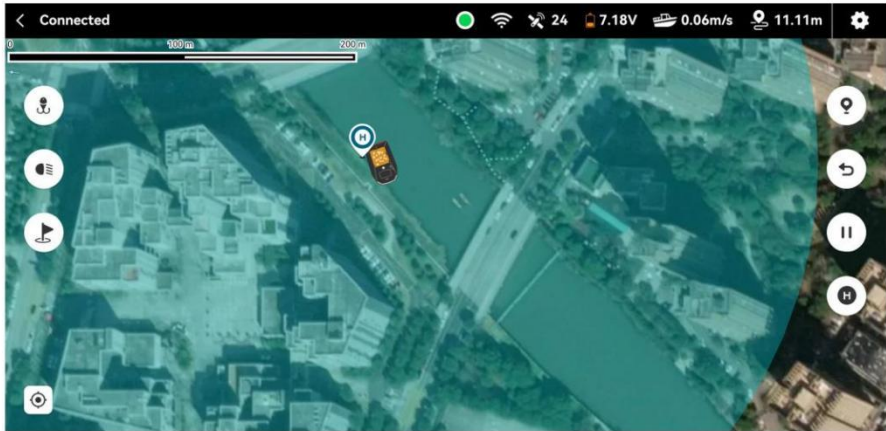
- After switching on the remote and the boat, search for the boat's Wi-Fi signal in the settings of your mobile device. Find the boat's Wi-Fi name (in the format of **RIPMINI\_XXXXXXXX**) and make a connection with the password of **12345678**.




















**Note:** This step will make you lose the internet connection. **We will suggest you to switch off the cellular data on you mobile phone as well, in order to avoid any interruption to the connection between your boat and phone.**

b. Open "Rippton Boat", and select "Intrepid (CatchX Mini) GPS", then tap "Enter" like Step 3.2.2

### 3.2.4 BRIEF INTRODUCTION OF THE APP OPERATION INTERFACE:



- |   |                            |   |                         |
|---|----------------------------|---|-------------------------|
|    | Hopper release             |    | Historical points       |
|    | Light on/off               |    | Return to homepoint     |
|    | Real-time spot marking     |    | Pause the mission       |
|    | Back to previous interface |    | Set new homepoint       |
|   | Hopper reset               |   | Start the mission       |
|  | Number of satellites       |  | Battery power           |
|   |                            |  | Connection strength     |
|   |                            |  | Distance from homepoint |
|   |                            |  | Speed                   |
|   |                            |  | Common set              |
|   |                            |  | View log                |

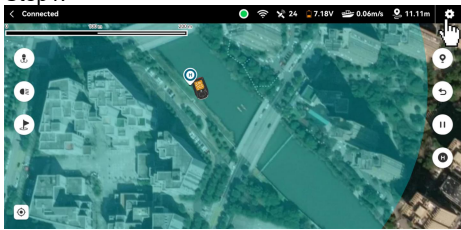
#### EKF

- Auto mode works fine under current environmental conditions.
- Auto mode is compromised by current environmental conditions.
- Manual mode is more fit for current conditions.

**If any new button appears due to the app update, please find more detailed info at the playlist of Mini GPS Boat on YouTube by scanning the QR code**

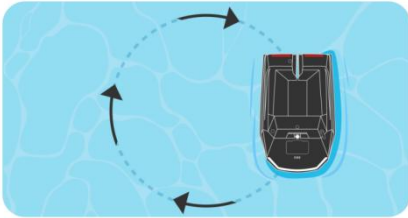
### 3.2.5 CALIBRATION BY APP

Step 1:



Step 3:

Close



Before calibration, please ensure the boat is connected to the remote and is placed on a water surface.

Close

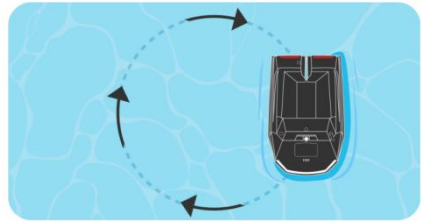


Calibration completed.  
Now you can set a mission.

Step 2:



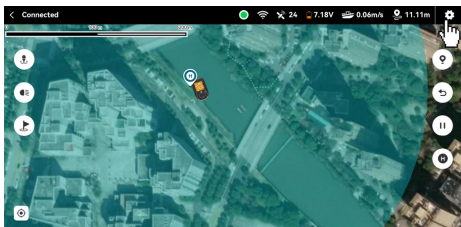
Close



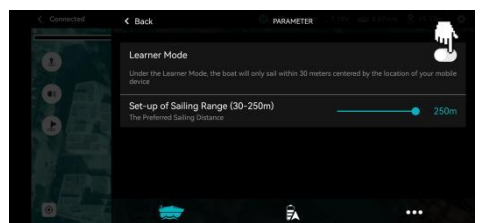
Calibration starts now.  
The boat will rotate clockwise.

### 3.2.6 LEARNER MODE

Step 1:

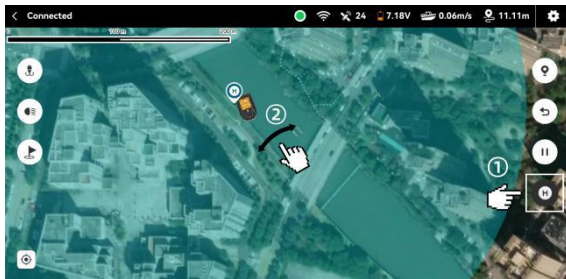


Step 2:



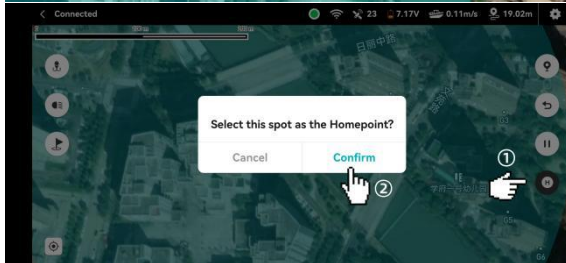
The Learner Mode (sailing range limited within 30m) is switched on when first time you enter the page. It can be turned off in Common Set. While the Learner Mode is off the sailing distance can be adjusted within 30-250m and you will no longer have an instruction before each operation.

### 3.2.7 SET A MISSION PLAN FOR AUTOMATIC DROPPING

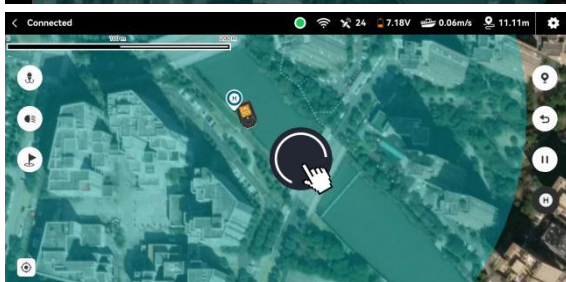


1. Tap the “Home Point” button;
2. Move the map to set the “H” icon at your desired spot as the home point.

If you have set the home point using the remote control, that point will be synchronized to the mobile app



1. Re-tap the “Home Point” button;
2. Tap the “Confirm” button.



In the green circle, long press the screen to set a task point till the blue marker appears .

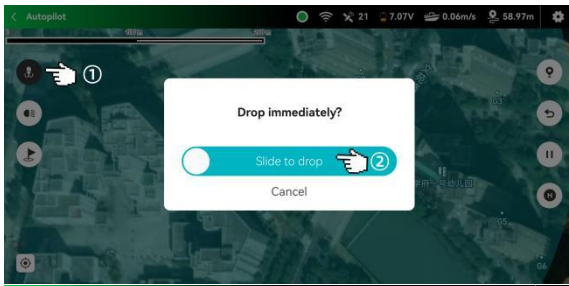


Tap the “Start” to perform the task.



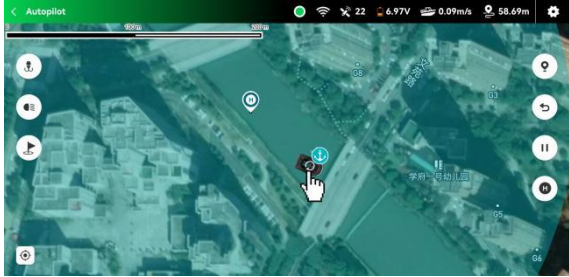
The status in the upper left corner will change to Autopilot.

The boat will start moving towards the waypoint.



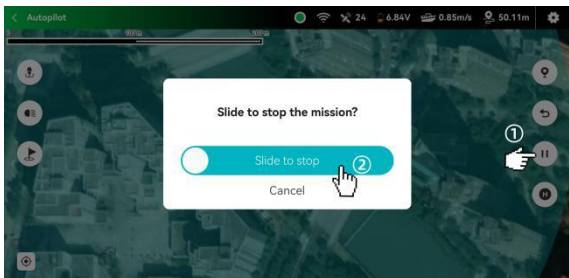
When the boat arrives at the task point, tap the Hopper Release button first, and then slide the button to drop your baits/berleys;

If you tap the “Cancel” button, the boat will stay at the task point to wait for your further action.

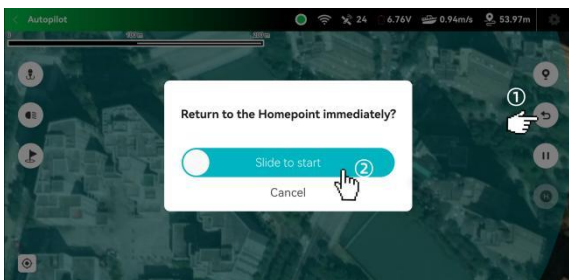


When the baits/berleys got dropped, please tap the “Reset” button before new task.

### 3.2.8 PAUSE AND RETURN TO HOME POINT BY APP

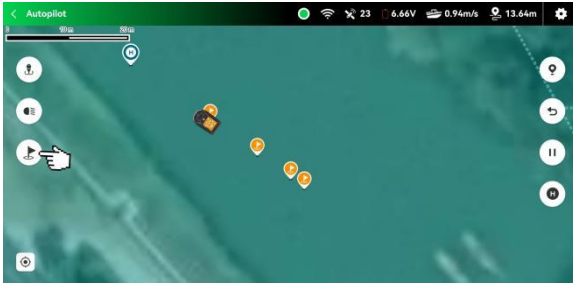


During the mission, you can stop the ongoing task by tapping the pause button on the right-hand side, and slide for confirmation. Re-tap the pause button to resume the task.



If you want to make the boat return to the home point during the mission, simply tap the relevant button and slide for confirmation, the boat will automatically navigate back.

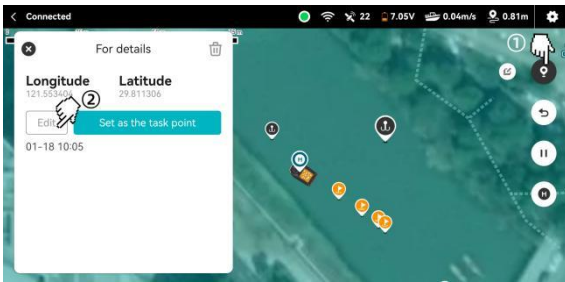
### 3.2.9 REAL-TIME SPOTS MARKING ON MAP



This boat supports two ways to mark real-time waypoints on the mobile map:

1. By clicking the flag button on the app, a flag marker in orange will be automatically generated at the current location of the boat, even if the boat is in motion; or
2. By pressing the trigger on the back of the remote control, you can also mark the current position of the boat at any time, leaving a flag marker in orange.

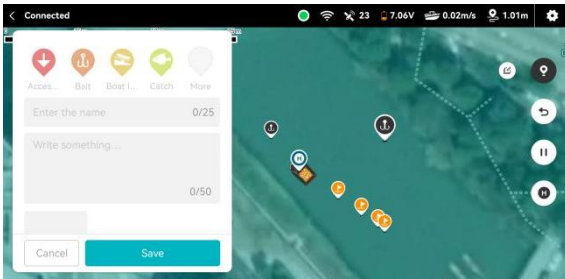
### 3.2.10 HISTORICAL WAYPOINTS



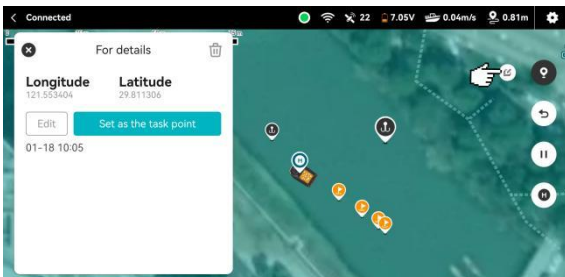
This boat has the capability to save countless historical waypoints, whether they are real-time marked or previously executed during netting tasks.

After clicking the corresponding button, you can customize the historical waypoints by editing them.

Certainly, you can also choose a historical waypoint as a new task point and execute the netting task again.

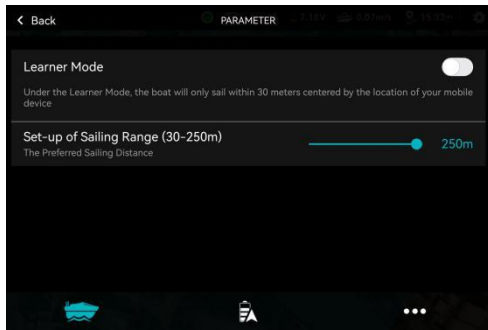


The Rippton Boat app provides different labels to help anglers distinguish the unique features of each waypoint.

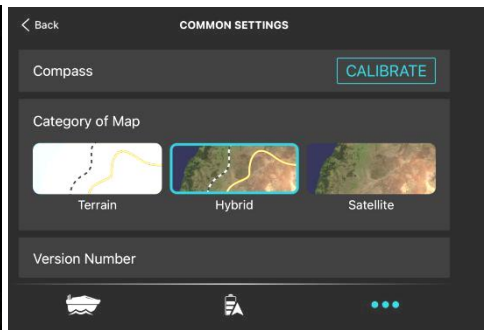


By clicking the button on the screen, you can select and delete historical waypoints in batches.

## 3.2.11 COMMON SETTINGS



- **Learner Mode**  
Under the Leaner Mode, the boat will only sail within 30 meters centered by the location of your mobile device
- **Set-up of Sailing Range (30-250m)**  
The preferred Sailing Distance: 30-250m



- **Compass Calibration**  
Please refer to Step 3.2.5
- **Category of Map**  
Select one category of map: Terrain, Hybrid, Satellite
- **Version Number**  
Check the version number of the firmware installing in your boat

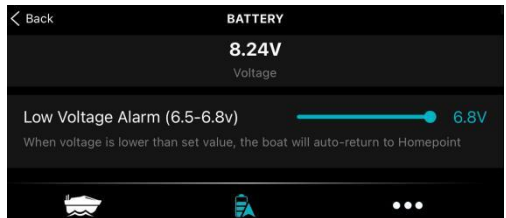
# 4. FAIL-SAFE

There are 3 ways to trigger the “Return-to-Home” mechanism, provided that the home point has been set.

### 1. Low battery return:

Set the lowest value (6.5-6.8V) for Low Voltage Alarm. When the battery voltage reaches such value, the boat will return to the home point automatically.

When the voltage is lower than 6.5, the boat's position light will continuously flash rapidly three times per second, with a reminder every one minute.



### 2. Lost connection to remote:

When the remote powered off or the boat sails beyond the range of 400m, the boat will return by itself.

### 3. One button to return to home point:

Please refer to Step 3.1.5.1.d

**Note:** When the battery level of the remote is less than 5%, the remote will vibrate continuously till pressing the “Enter/ESC” button to stop.



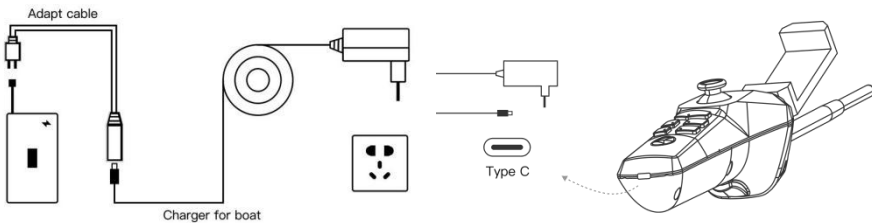
# 5. EKF

## EKF

- Auto mode works fine under current environmental conditions.
- Auto mode is compromised by current environmental conditions.
- Manual mode is more fit for current conditions.



# 6. CHARGING



**For boat battery:** Please charge the battery separately after taking it out of the battery compartment (please refer to image above).

# 7. MAINTENANCE OF BATTERY

- To prevent over-discharge and avoid decreasing the battery lifetime, the battery should be fully charged every month, as long-term storage will have a negative impact.
- For long-term storage, please ensure the power switches of both the boat and its remote control are turned off, and the power level is greater than 80%. If not, the battery will be over-discharged due to a failure of normal use.
- Storage temperature -20°C ~ 25°C (within 15 months)

# 8. TROUBLESHOOTING

- Why I cannot control my boat by remote?

**S1:** Check if the boat still stays on Auto Mode. If this is the case, press and hold the "Enter/ESC" button to exit such mode.

**S2:** Check if the boat still stays on Cruise Control. If this is the case, pull down the joystick to exit it.

**S3:** The remote is out of power, the boat will return to the home point by itself.

**S4:** The boat is out of power. Recall the boat promptly when the battery voltage approaches 6.5V. **Set the home point and low battery return value before each voyage.**

<ul style="list-style-type: none"> <li>● Why is my boat taking an extended period or having trouble reaching the designated task point or home point?</li> </ul>	<p><b>S1:</b> It is possible that the GPS positioning of the boat is constantly being calibrated due to turbulent underwater currents. Please be patient and wait for the calibration process to complete.</p> <p><b>S2:</b> If the boat does not respond to the commands after waiting for 3-4 minutes, manual operation can be considered as an alternative option.</p>
<ul style="list-style-type: none"> <li>● Why is it that my phone and the boat's Wi-Fi are connected, but the boat control interface still shows as not connected?</li> </ul>	<p><b>S1:</b> The map has not been pre-loaded and it is necessary to preload the map on the app.</p> <p><b>S2:</b> After connecting to Wi-Fi, please make sure to turn off your cellular data or mobile data to avoid interference.</p>
<ul style="list-style-type: none"> <li>● Why is there a significant deviation in the arrival position of my boat?"</li> </ul>	<p><b>S1:</b> Please do the calibration before each voyage.</p>
<ul style="list-style-type: none"> <li>● Why is there no response after I press the button?</li> </ul>	<p><b>S1:</b> Some buttons require a long press, while others require a short press. Please read the instructions carefully and follow the steps accordingly.</p>

## 9. TIPS

- Update for the APP: Please go to the proper and relevant app store to update the Ripton APP from time to time according to the system notification;
- Always turn the remote control on first before turning on the boat. To turn off, turn off the boat first and then the remote control. This will ensure that you are always in control of the boat;
- The remote control should be protected from water at all times;
- Store your boat and remote control in a warm, dry place when not in use, in order to prevent condensation built up;
- It is recommended that the bait boat be cleaned with a damp cloth after use;
- After use ensure all batteries are fully charged before you pack the boat away for the next trip;
- If the boat is not going to be used for some months, please recharge the batteries every month;
- The distance between two spots you select should be over 5 meters;
- The actual spot the boat arrives at will probably have 1 meter deviation due to the water movements;
- The range of the boat is dependent on weather and environmental conditions.

# 10. DECLARATION

The policy is one of continuous improvement and we reserve the right to change product specifications and the app interface without prior notice. Illustrations are for guidance purposes only. The real product may be slightly different from the display picture due to different types.

# 11. Warranty

We offer you a 12-month guarantee from the date of purchase.

The guarantee covers any defects arising from the drive unit and the electrical and electronic parts of the boat, faulty material or workmanship.

It does not cover batteries, damage arising from improper use, breakage, or normal wear of the boat or associated equipment.

The guarantee is invalidated if repairs or modifications are undertaken by unauthorized persons.

The guarantee period for the rechargeable battery and the rechargeable LI-ION batteries is 6 months from the date of purchase.



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