RIPPTON

USER MANUAL

CATCHX BAIT BOAT
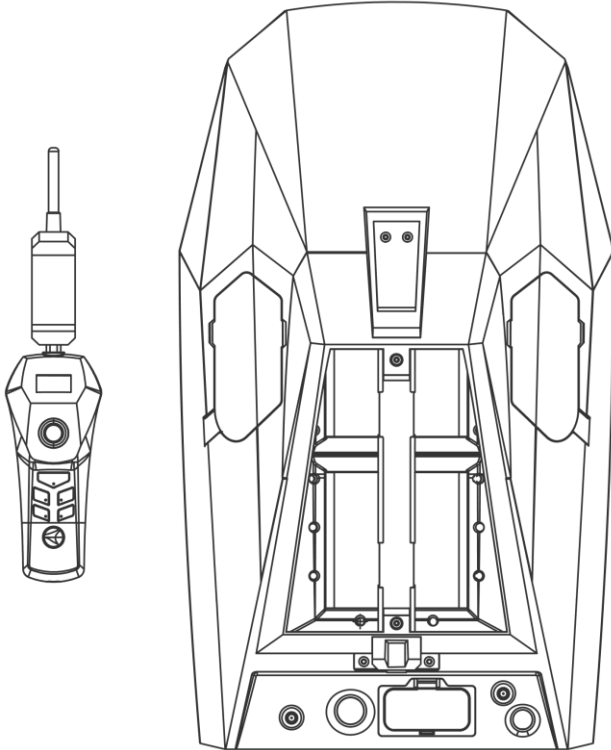
Please visit https://rippton.com/tutorial to watch the video tutorial of CatchX.

INTRODUCTION

Dear Customer,

Thank you for purchasing the CatchX bait boat.

CatchX is an advanced smart fishing bait boat, which has a payload of 3kg and a range of 800 meters. With the two ergonomic handles, it is easy to carry around with. You can control the CatchX either by our app Rippton or the remoter control. Hope you will enjoy every fishing journey with company of CatchX.

Before we start learning how to use it, please download the Rippton App on your mobile device.

How to Download the RIPPTON App
Search for "RIPPTON" on the Google Play Store, Samsung Galaxy Apps or App Store or scan this QR code to install the app on your mobile device. You can find the "Rippton" app on the Google Play Store, Samsung Galaxy Apps and App Store. Installing the app requires Android System 8.0 or above and iOS 9.0 or above.

Download the RIPPTON App

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Please visit https://rippton.com/tutorial to watch the video tutorial of CatchX.

CATALOGUE

Preface

Please take the time to read and understand this manual. Your CatchX Bait Boat will deliver years of trouble-free usage when used and maintained correctly.

Declaration

The policy is one of continuous improvement and we reserve the right to change product specifications without prior notice. Illustrations are for guidance purposes only. The real product may be slightly different from the display picture due to different types. This declaration applies to all the documents in relation to the CatchX Bait Boat.

1. What's in the package?

Your CatchX Bait Boat contains the following items as standard：

1)   User manual x 1 and Quick Start Guide x 1

2)   CatchX bait boat x 1

3)   Remote control x 1

4)   Battery x 2

5)   Charger for boat (without taking the battery out) x 1

6)   Charger for Remote control x 1

7)   Adapt cable for solely charging the battery x 1

8)   Bar to connect the additionally purchased sonar x 1

Note: Although the battery could be taken out of the boat for charging separately, we still strongly advise you to charge the boat with the battery connected inside the battery compartment.
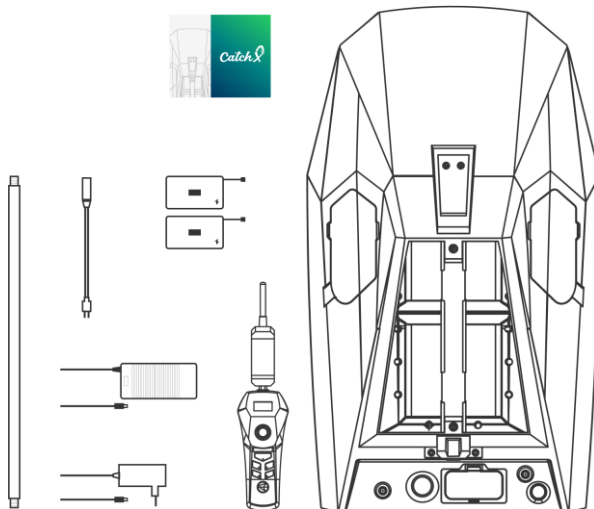
2. Specifications

Product Model	**CatchX Smart Bait Boat**
Weight	6.6KG (including batteries)
Dimensions	H29.3cm*W35.8cm*L61.5cm
Number of Hoppers	4 independent hoppers
Hook release	1 independent hook release
Max speed	1m/s
Max payload	3kgs ($\approx$0.75 kg per hopper)
Waterproof level	Top splash resistant and bottom fully waterproof.
Boat lights	1 front white; 1 rear red
Operating temperature	-10~45℃
Range	800m +/- dependent on weather and environmental conditions
Radio Frequency	2.4GHZ data transmission

Remote control	
Size of the OLED Screen	0.96 inches
Max transmission distance	800m
Wi-Fi	2412 ~ 2484MHz

Battery	
Battery type	Cylindrical Li-ion Battery Pack
Capacity	8000mAh * 2
Voltage	11.1V

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

3. Features

⌒ ### Autopilot
Users can set the route in advance using the RIPPTON APP or remote control, for full/semi-automatic driving purposes.

🔲 ### APP
Please scan the QR below, or search "RIPPTON" in APP Store (for iOS system) or Google Play, Samsung Galaxy Store or Huawei App Store, to download the RIPPTON for your mobile device. Installing the app requires Android System 8.0 or above and iOS 9.0 or above.

💡 ### Lighting System
CatchX has one front white LED light belt and one rear red LED light belt.
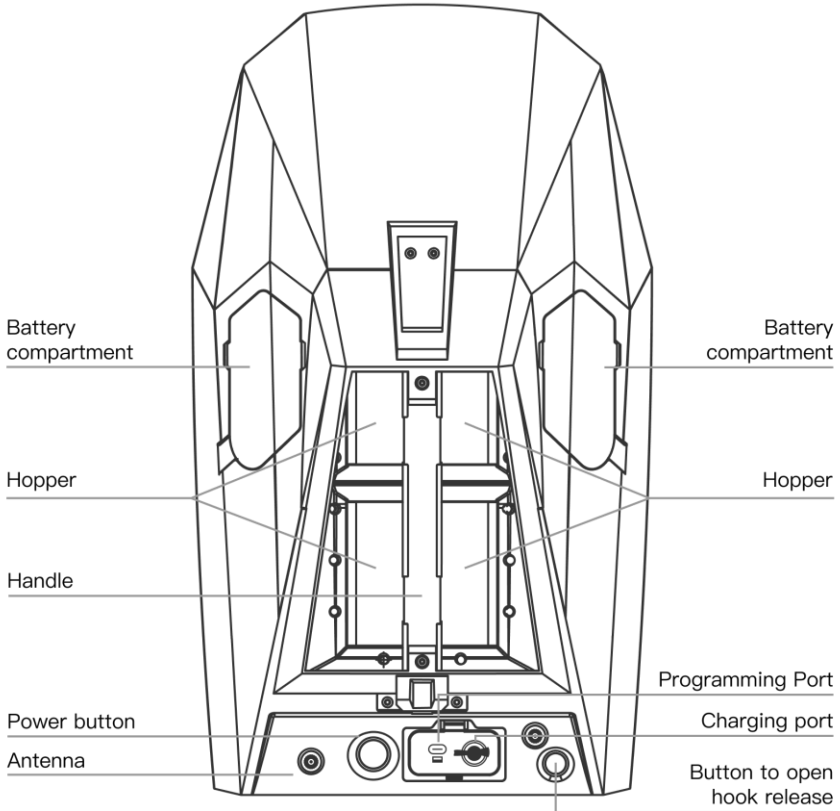
🔳 ### Remote Control
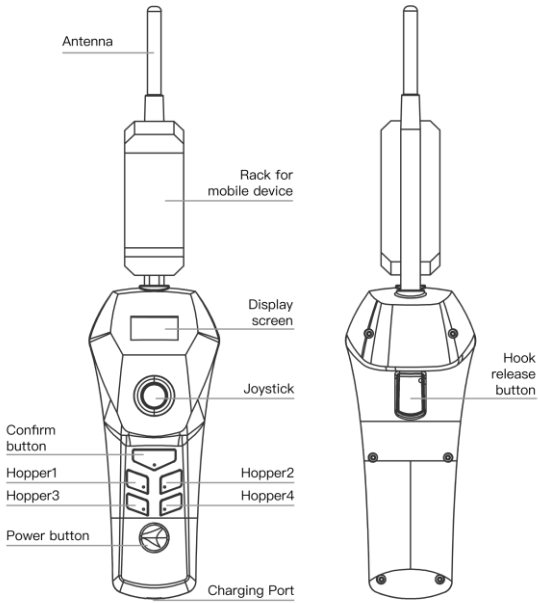The max transmission range is about 800m.

🔋 ### Standby Time
CatchX is able to stand by for 8 hours in water after being switched on, provided the motor remains stationary.

4. Overview

Battery compartment

Battery compartment

Hopper

Hopper

Handle

Programming Port

Power button

Charging port

Antenna

Button to open hook release

Head light belt

Tail light belt

Hook release mechanism

Maintenance port

Motor

Antenna

Rack for mobile device

Display screen

Joystick

Confirm button

Hopper1

Hopper3

Power button

Charging Port

Hopper2

Hopper4

Hook release button

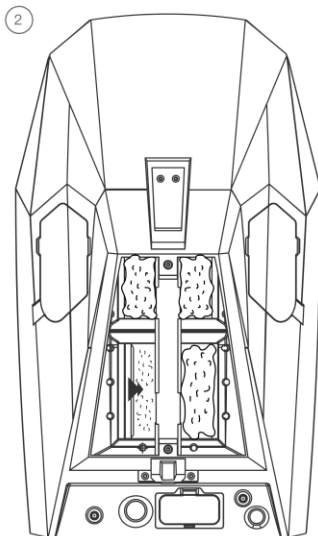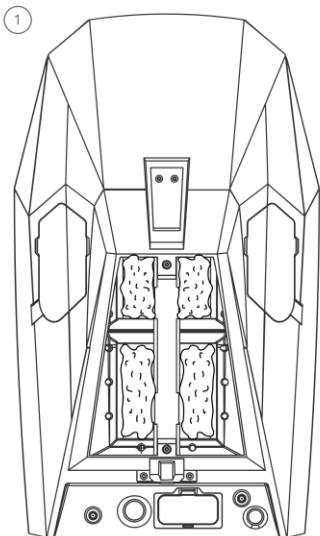## NOTE:

1) THE REMOTE CONTROL IS NOT WATERPROOF, PLEASE KEEP IT OUT OF CONTACT WITH WATER.

2) The remote control will vibrate when reaching a low level of power.

3) Unfold or fold the rack shown as the picture below.
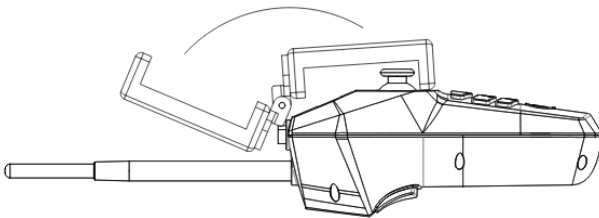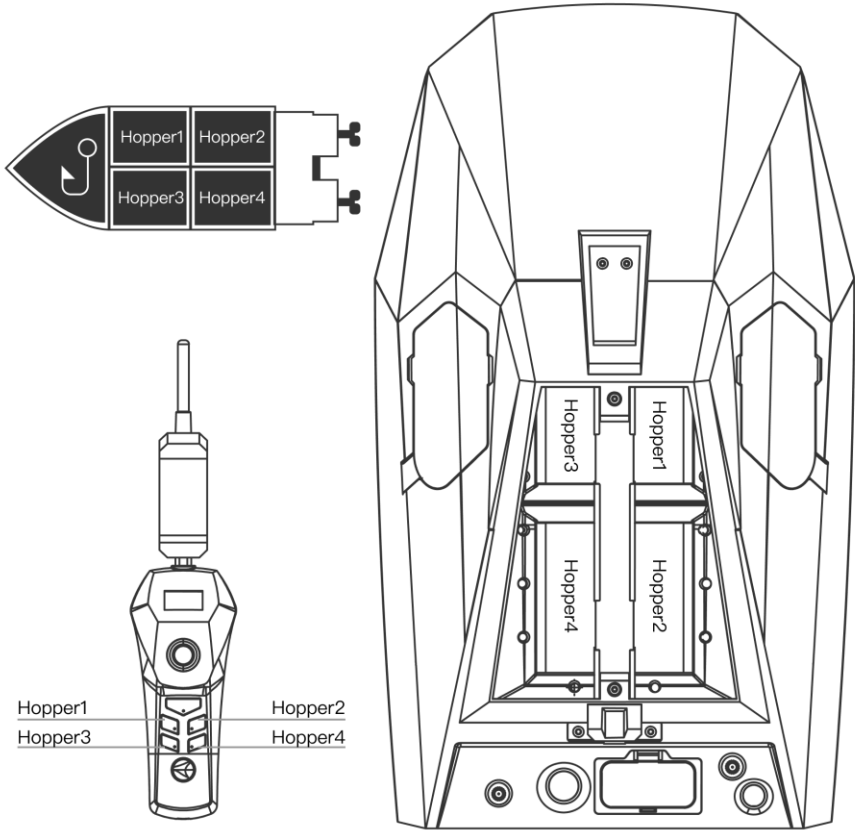
Please notice the layout of each hopper button on the remote control and the corresponding hopper set on the boat.
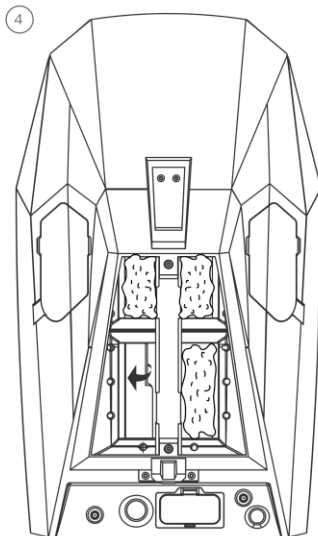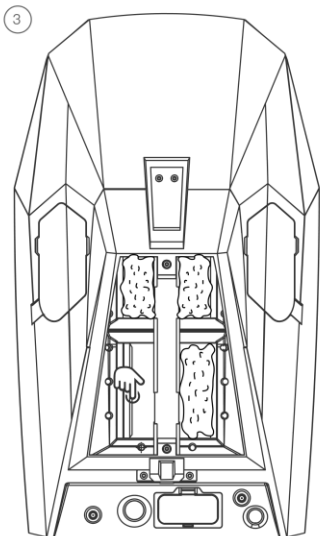
Once the baits loaded in the hopper(s) have been released, you could use your hand to bring the bottom board back to the original position shown as the picture above.

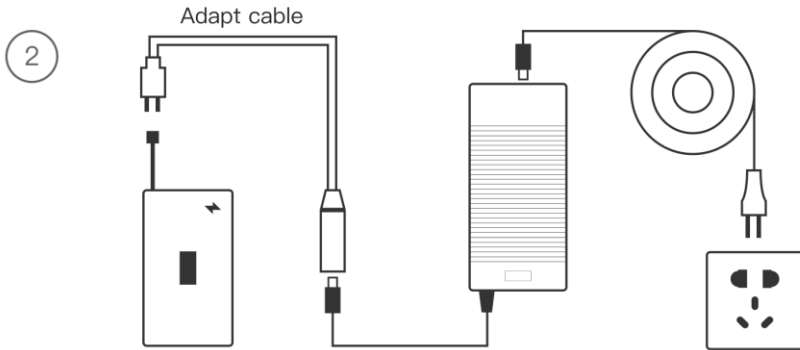# 5. Charging

## 5.1. CatchX Charger

5.1.1. Parameter

Name	12.6V lithium battery charger	
Input	Input voltage	100~240VAC
	Input frequency	50/60Hz
	Input current	1.5A max
Output	Output voltage	+12.6VDC
	Charging current	5A
	Nominal power	63.0W

5.1.2. How to charge the battery of CatchX?

Color of LED on battery charger	What it stands for?
Red	Being charged
Green	Charging completed

✧ Direct charging ： 5.5/2.5 DC charging port (*please refer to Picture1below*). **Please note that both batteries must be inside the boat together when direct charging**;

Or

①

Charging port

Programming Port

②

Adapt cable
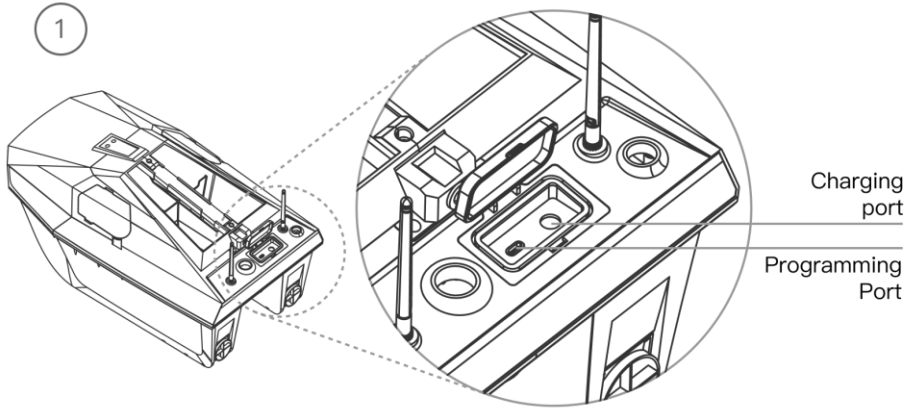
◇ Charging the batteries separately (*please refer to **Picture2** above*) after taking those out of the battery compartment (*please refer to **Picture3** below*). When charging completed, please reconnect the batteries to the compartment, and ensure all the plugs are placed in the right position (*please refer to **Picture4** below*).
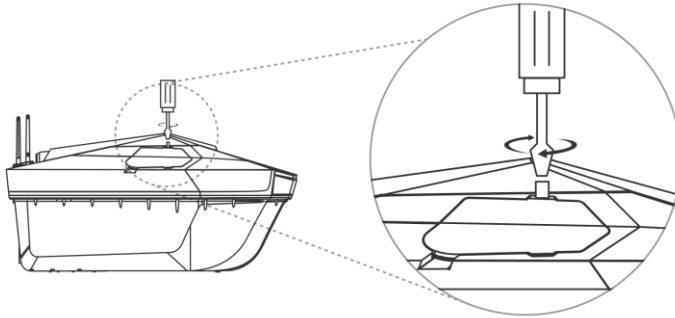
Picture3

Use your hand or your screwdriver to unlock the battery compartments, and then take the batteries out of them.
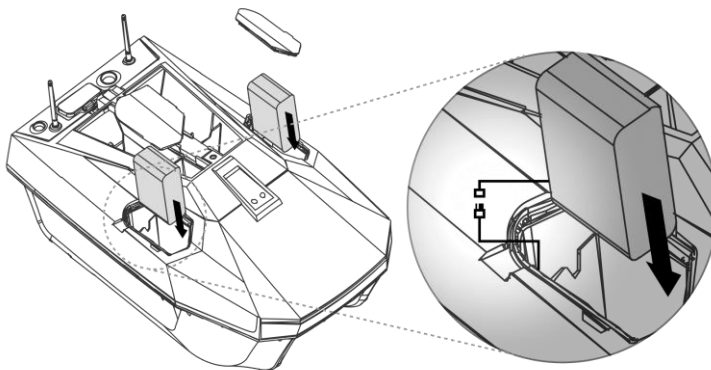
Picture4

Reconnect the batteries to the compartment upon the charging completion, and then re-lock the compartments.

Notice: Maintenance of the Batteries

Due to the characteristic of the lithium battery, it should be monthly charged to avoid the loss of its functionality and battery life caused by the over-discharge.
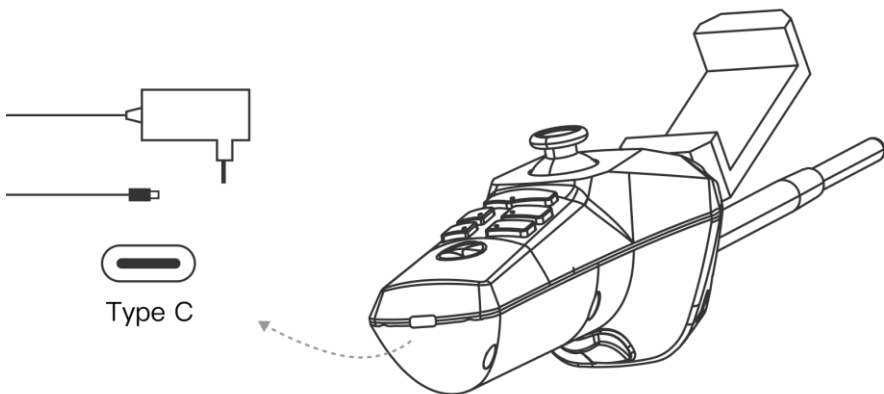
5.2. Remote Control Charger

5.2.1. Parameter

Name	5V3A power adapter	
Input	Input voltage	100~240Vac
	Input frequency	50/60Hz
	Input current	1.0A max
Output	Output voltage	+5VDC
	Charging current	3A
	Nominal power	15W

5.2.2. How to charge the remote control

Please refer to the picture below:

Type C

5.2.3. Notice

1) For CatchX charger:

- Operating temperature：0℃~40℃

- Storage temperature：-20~80℃
- In compliance with CE standard
- Please immediately stop using the charger if it gets broken or has water inside.

2) For CatchX battery
- When you set out to operate the CatchX bait boat and its remote control for the first time, please fully charge the new batteries.
- It may take 2-3 hours to fully charge the remote control.
- It may take 4-6 hours to fully charge CatchX when both batteries are inside. Please be sure the power switch is off.
- It may take 2-3 hours to fully charge one CatchX battery when it has been taken out of the battery compartment. Please ensure that both batteries are fully charged before they are put into the battery compartment. Under all circumstance, the power level of the two batteries should be equivalent or have only very tiny difference.
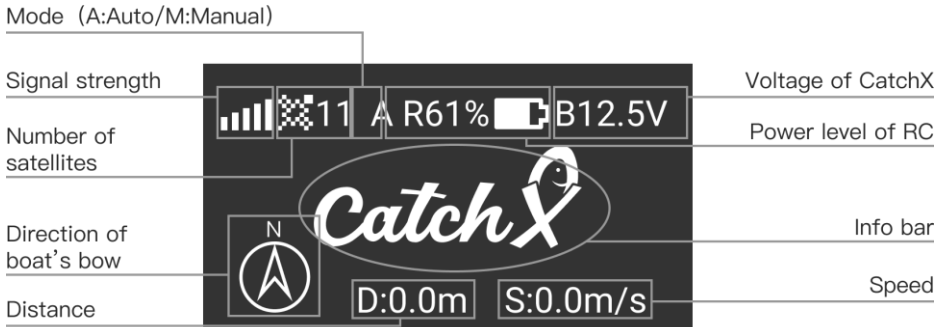
3) Storage of battery
- For long-term storage, please ensure the power switches of both the CatchX and its remote control are turned off, and the power level of the CatchX battery is greater than 80%. If not, the battery will be over-discharged due to a failure of normal use.
- Storage temperature：-20℃~45℃ (within one month).
- To avoid decreasing the battery lifetime, the battery should be fully charged every month, as long-term storage will have a negative impact.
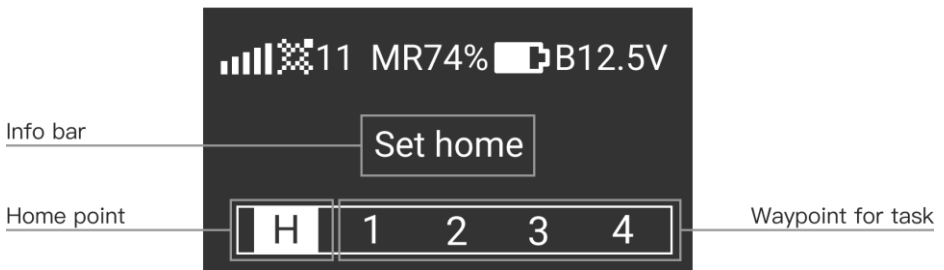
6. Remote Control

6.1. Home Screen

The "**Home Screen**" of the remote control is shown as below:

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

Ill ※11 A R61% B12.5V

N

CatchX

D:0.0m S:0.0m/s

6.2. Task Interface

The "**Task Interface**" is to help you set the home point of your automatic task, select and save the waypoints therein, and then carry it out.

Info bar

Home point

Waypoint for task

Ill ※11 MR74% B12.5V

Set home

H   1   2   3   4

A short press on the joystick will enter "**Task Interface**" from "**Home Screen**" (push the joystick upwards to exit "**Task Interface**");

When staying on "Task Interface", the joystick of the remote control is no longer able to control the boat for sailing or other tasks, but only move the UI cursor thereon.

7. How to Control CatchX?

7.1. Preparation

Ensure both the CatchX Bait Boat and its remote control are fully charged and bring the CatchX to the side of the freshwater area where you plan to go fishing.

7.2. CatchX Turning On/Off

When pressing the power button of the boat, the boat will emit a "beep" sound. Then after about 10 seconds, the CatchX Bait Boat will be turned on with another "beep" sound, and both the head light belt and the tail light belt will flash simultaneously. If you need to turn the boat off, just press the power button again.

7.3. Remote Control Turning On/Off

For turning on the remote control, please long press the power button of the remote control for 3 seconds, when it will vibrate slightly, and its screen will lighten up with a boot animation, and vice versa for turning it off.

7.4. Calibration for Remote Control (Only required when got repaired or replaced)*

1) Please press and hold on the "Hopper 2" button, then long press the power button of the remote control, it will go to "Calibration Interface" automatically.

2) Move the joystick to the maximum extent in all directions, so as to obtain the largest value of the joystick's moving range, and then press the "Confirmation" button.

3) Ensure the joystick stays precisely on center for obtaining the mid-value of the joystick's moving range, and then press the

"Confirmation" button. The whole calibration process for the remote control has been completed.

4) Long press the joystick again to exit the current interface.

①	②	③
1.Move joystick in a circle 2.Press OK next THR：1500 ROL：1500	1.Move joystick in a circle 2.Press OK next THR：1677 ROL：1215	3. Keep joystick on center 4. Press OK finish THR：1500 ROL：1500
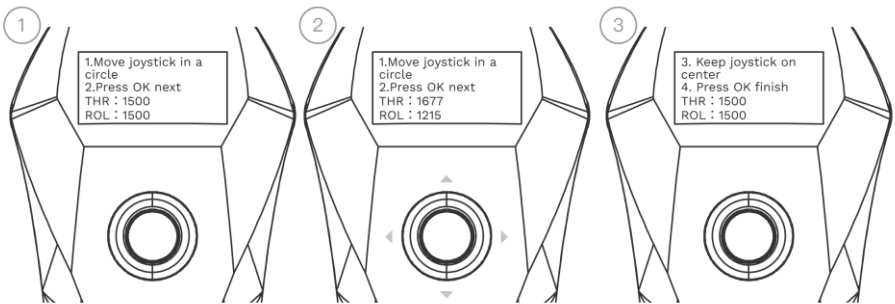
7.5. Unlock

The user needs to place the CatchX on the ground first and turn it on. Move the joystick to the right end for 3 seconds, and the motors will start to spin. This means your CatchX has been unlocked for use, and you can use the joystick to control the boat sailing on the water.
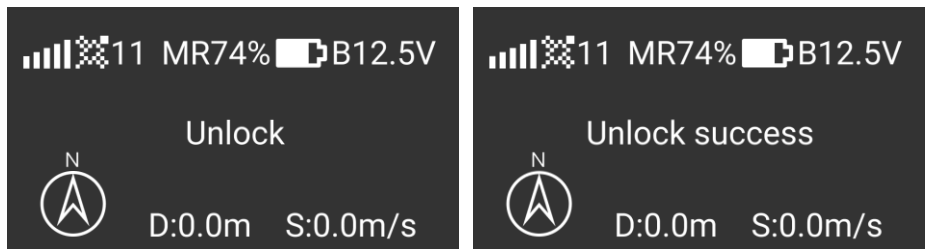
7.6. Sailing

By moving the joystick in each direction (i.e. up, down, right and left), CatchX will follow your order to go forward / backward or make a right / left turn, respectively.

7.7. Set Home Point

Home point is the co-ordinate that CatchX will return to after the task has

been completed. Prior to carrying out any task, the user needs to set the home point.

1) Drive the boat to a point that you intend to set as the home point；

2) On "Task Interface", please move the UI cursor to "H" and then short press the hook release button on the back of the remote control to set the home point. At the center of the screen, "Set success" or "Set fail" will appear for your notification.
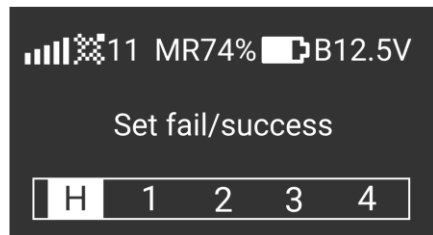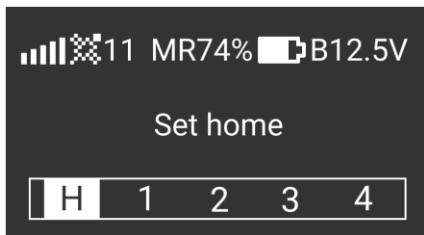
7.8. One Button for Hook Attachment

By pressing the hook release button (shown in red square), the hook release mechanism will open for 5 seconds and then close automatically. The user needs to attach the prepared fishing line to the hook release mechanism before it closes. In the event that time is not enough to make the attachment, please press the hook release button again to re-open the mechanism.
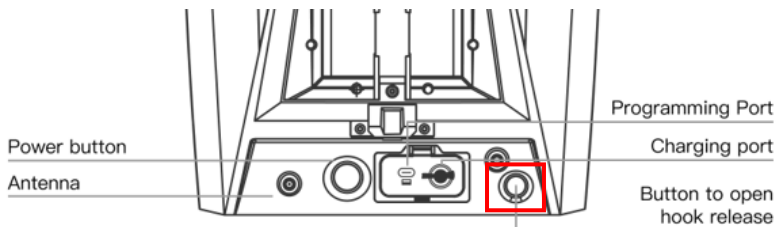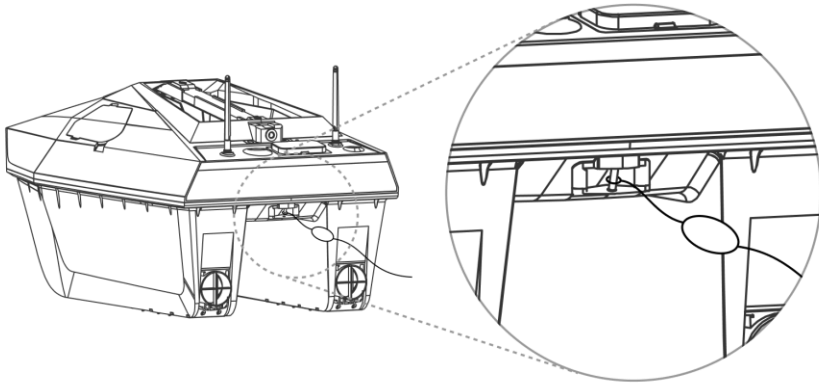
7.9. One Button for Return

Under the manual mode, pressing the joystick for 2-3 seconds at the "Home Screen" will lead CatchX to automatically return to the home point that has been set in advance.

7.10. Manual Task Mode

In this mode, you are able to drive the CatchX bait boat sailing to the designated position by moving the joystick. When the boat arrives at the point, you may perform the further actions as follows:

7.10.1. Dropping Berley

The four buttons on the remote control (refer to the picture below) correspond to the four hoppers of CatchX. For instance, when staying at the **Home Screen** of the remote control, press the button named "**Hopper 1**", the relevant indicator light on the button will
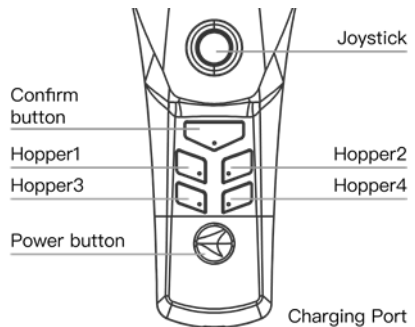
light up, indicating that Hopper 1 is selected (short press the button again, the selected hopper will be cancelled). Multiple hoppers can be selected at the same time. <u>You could also short press the confirm button to check whether the hopper has been selected successfully.</u>

When CatchX sails to the spots where you wish to drop the berley, long press the confirm button on the remote control to implement the action. In the event of any error or failure occurring, "Dropping fail" will appear on the screen.
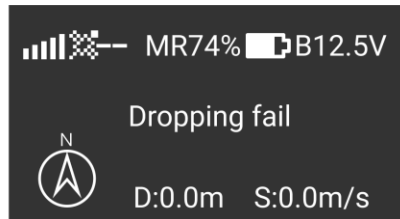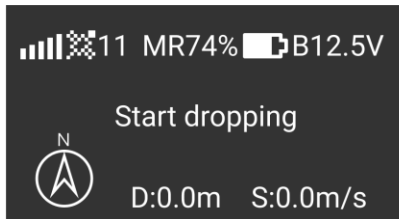
7.10.2. Casting Hook

Long press the hook release button on the back of the remote control, the hook release mechanism will be selected, and the interface will display the selected

prompt message for 2 seconds (long press the hook release button again, and you will be prompted to cancel the selection).
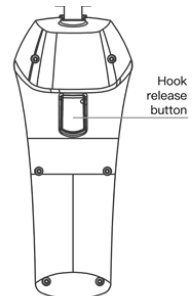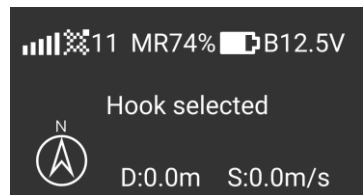
When CatchX sails to the spots where you wish to drop the hooked fishing line, long press the confirmation

button on the remote control to implement the action. In the event of any error and failure occurring, "Dropping fail" will appear on the screen.

7.10.3. Check the Selected Status

Short press "Confirmation" button to quickly check the selected status of the hopper and the hook release mechanism.

7.11. Automatic Route Task (Remote Control)

CatchX can also set custom route tasks through the remote control. Store the preset casting spots and set the route to quickly realize multi-point casting.

7.11.1. Mission Point Acquisition

1) Control the CatchX sailing to the desired spot;
2) Short press the joystick to enter the "Task Interface";

3) Move the cursor to the corresponding number position, and short press the hook release button on the back of the remote control, the current spot will be saved as a mission point;
4) If you see the prompt showing the mission point has been saved successfully, please get back to the **Home Screen** and drive the boat to the next spot. Up to four spots can be saved as the mission points, and the mission points with saved position information will be highlighted.
5) **Cancel** - If you want to cancel the selected mission point, re-short
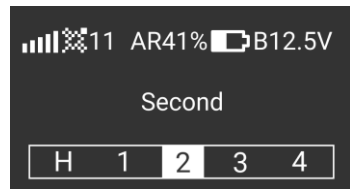
press the hook release button on the back of the remote control.

7.11.2. Hopper Selection

1) After a mission point has been saved, or moving the cursor to the position of the numbered mission point on the bottom of the interface, the hopper diagram will appear. You can assign one or multiple hoppers to such mission point.
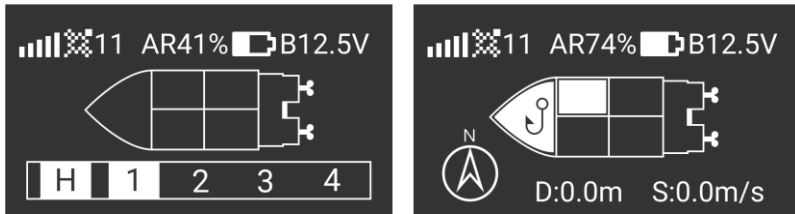

2) Press one of the "Hopper" buttons to assign the corresponding hopper to the numbered mission point. One hopper cannot be assigned to two mission points. If you want to assign more hoppers to one mission point, please repeat the step above.
3) **Cancel** – If you want to cancel the selected hoppers, re-press the corresponding hopper button(s).

7.11.3. Task Upload and Execution

1) Upon completion of Section 7.11.1 and 7.11.2, the CatchX bait boat is nearly ready to implement an automatic casting task after the hoppers have been filled with berley.
   If you only complete the action set out in Section 7.11.1 without following Section 7.11.2, the boat will go to semi-automatic mode in which a hopper selection notification will appear after one mission point has been reached.
2) Go to the "Task Interface" and then long press the "Confirmation" button on the remote control; the remote control will upload all the stored mission points and give an order to the boat after the

appearance of "Upload success", and then CatchX will immediately carry out the automatic route task.
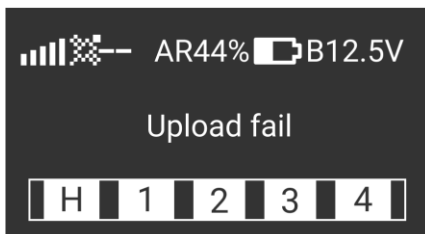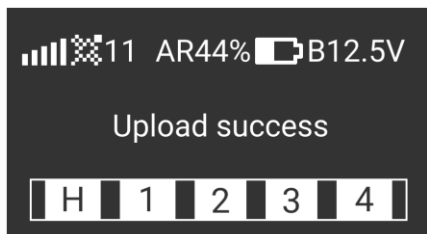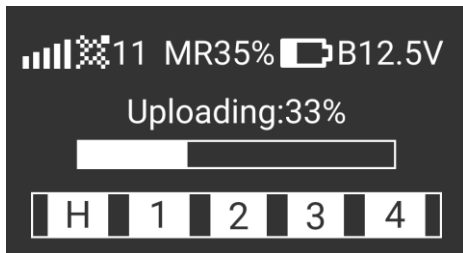
The two pictures below will only pop up when the system goes to semi-automatic mode.
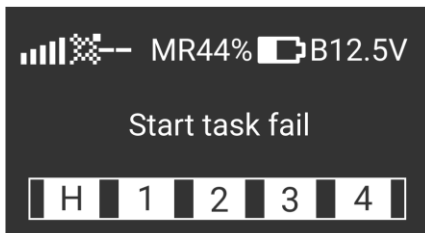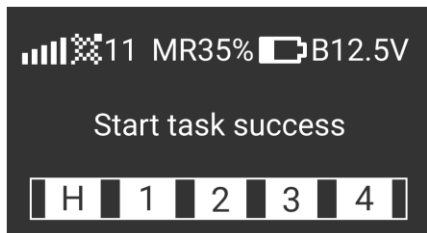
7.11.4.　Turn to Manual Task Mode

When you intend to quit the Auto Task Mode or One Button for Return Mode and get back to the Manual Task Mode, please move the joystick downwards for 3 seconds at the "**Task Interface**" or the "**Home Screen**".

7.12. Control of LED Light Belt

Double click the power button of the remote control to switch on/off both of the head LED light belt and the tail light belt.

8. APP Function

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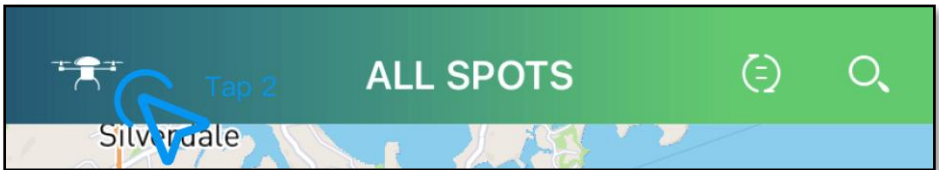

8.1. How to connect CatchX with your mobile device

a) Search for the CatchX's Wi-Fi signal in the settings of your mobile device. Make a connection. The format of the CatchX's Wi-Fi name is catchx_xxxxxx, and the password is 12345678.
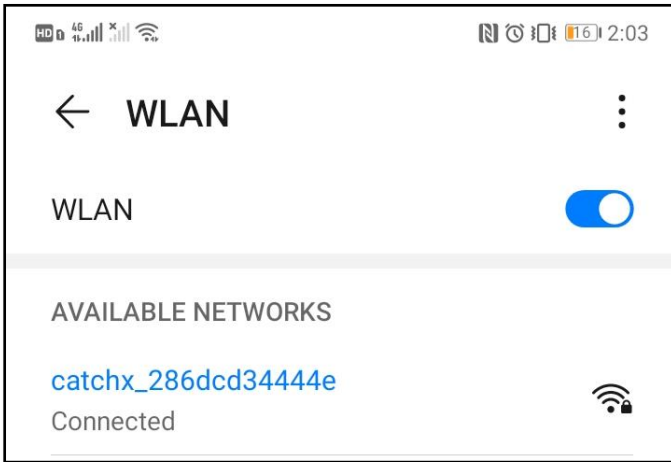
b) Enter the App's home page. Tap "**Fishing**" on the bottom bar.
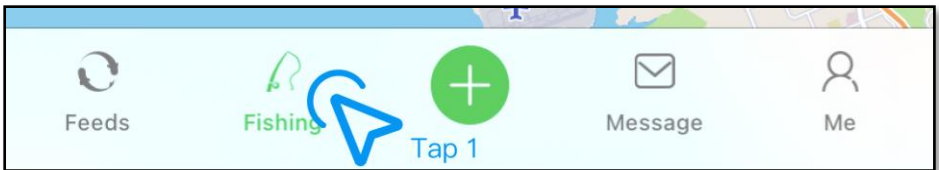
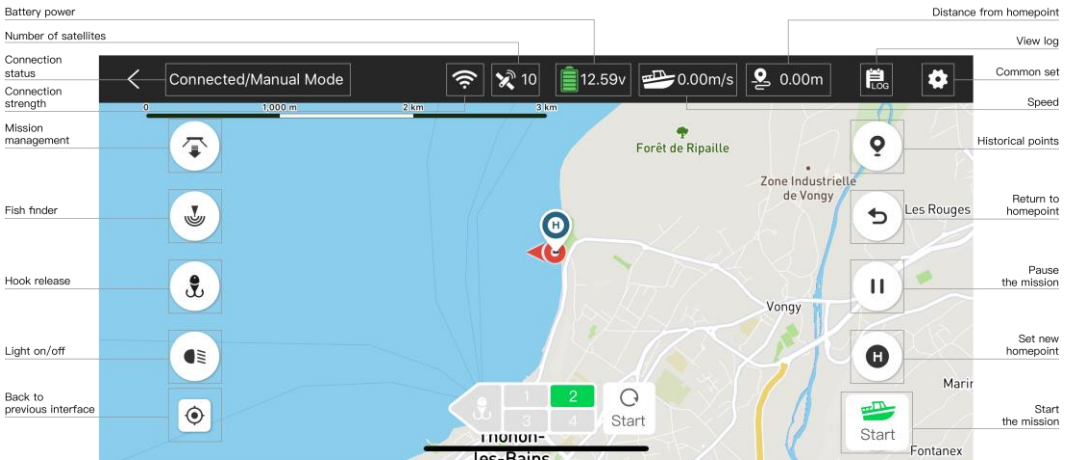c) Then tap the icon on the top left-hand corner to enter the smart device connection page.

d) Tap "Enter" to complete the connection.

CATCHX

● ● ●

Enter

8.2. Brief Introduction of the APP Interface

Battery power
Number of satellites
Connection status
Connection strength
Mission management
Fish finder
Hook release
Light on/off
Back to previous interface

Connected/Manual Mode 10 12.59v 0.00m/s 0.00m LOG

Distance from homepoint
View log
Common set
Speed
Historical points
Return to homepoint
Pause the mission
Set new homepoint
Start the mission

Forêt de Ripaille
Zone Industrielle de Vongy
Les Rouges
Vongy
Marin
Fontanex
Thonon-les-Bains

1 2 3 4 Start
Start

Notice: When number of satellites is lower than 10 or the signal strength is weak, it may impact the APP's controlling effect, or even make some of functions ineffective.

8.3. Calibration for CatchX Bait Boat

● Before the calibration starts, please first connect CatchX with your mobile device (refer to Section 8 of this manual).

- When connected, please tap the cog icon on the top right-hand corner of the APP interface to enter "Common Settings" as below:
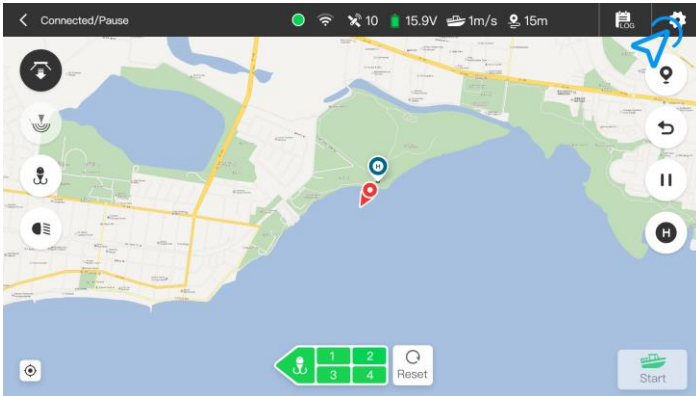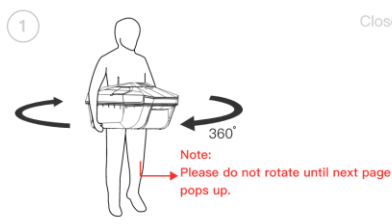

Then tap "Ellipsis" icon on the bottom right-hand corner for calibration.
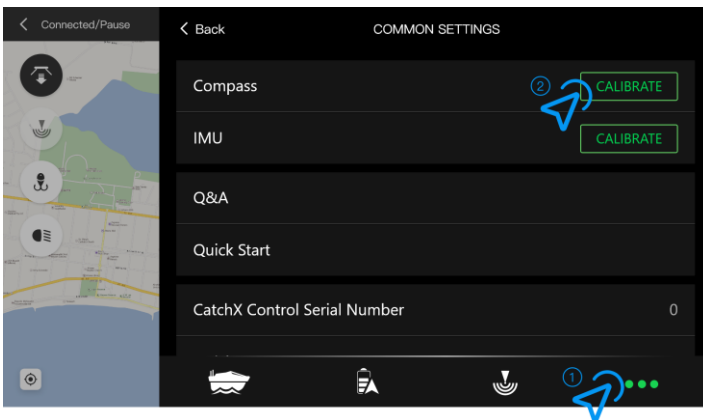
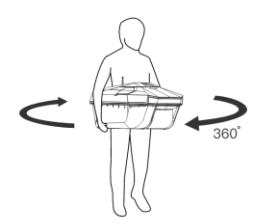Press "Calibrate" on the line of "Compass" to start the whole calibration process:

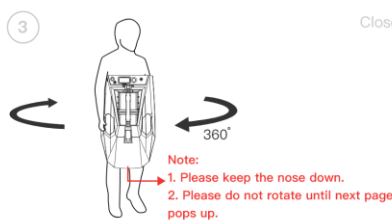① Close

Note:
Please do not rotate until next page pops up.

Compass calibration starts, please follow the instruction to hold the CATCHX horizontally and start rotating according to this picture.
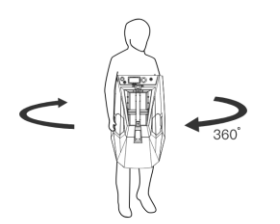
② Close

Calibrating…
Please start rotating.

③ Close

Note:
1. Please keep the nose down.
2. Please do not rotate until next page pops up.

Horizontal calibration completed, please follow the instruction to hold the CATCHX vertically and keep rotating according to this picture.

④ Close

Calibrating…
Please start rotating.

Close

Compass calibration completed, please place the CATCHX on the ground and restart it.

OR

Close

Compass calibration failed, please re-calibrate.

Note:

- Clockwise rotation.

- For horizontal calibration, please keep CatchX's nose facing outwards. For vertical calibration, please ensure CatchX's nose always goes downwards from the beginning.

- Please start the horizontal calibration only after the reading of picture 1 instruction completed and the front light flashed. Otherwise, it will cause the failure of the calibration. Upon the completion of the horizontal calibration, the front light will flash twice. Then, the vertical calibration can be commenced.

- Please restart CatchX Bait Boat upon completion of the calibration.

- You will be suggested to do a calibration when you try to use the boat in a new location where is 3km away from the last location you went to.

8.4. Learner Mode

The Learner Mode (sailing range limited within 300m) is automatically on the first time you enter the page. It can be turned off in Common Set. ⚙
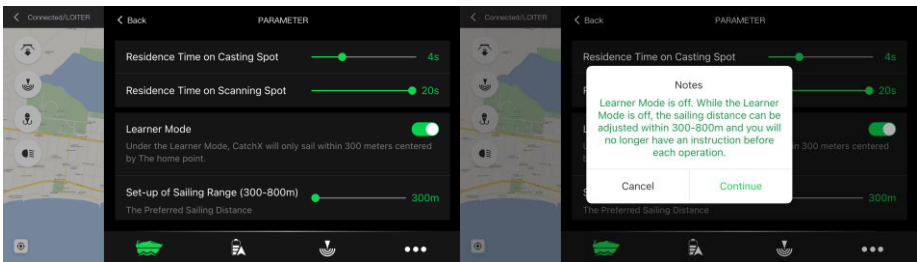

8.5. Set a Mission Plan for Automatic Casting

1) When CatchX has been successfully connected with your mobile phone, the system will automatically generate the default home point (i.e. the current position of your mobile device).

2) Set New Home Point

Tap the "Mission Management" button (in red square 1 below) on the top of left side to start setting a route for your casting mission. Press the green button to confirm (in red square 2 below).
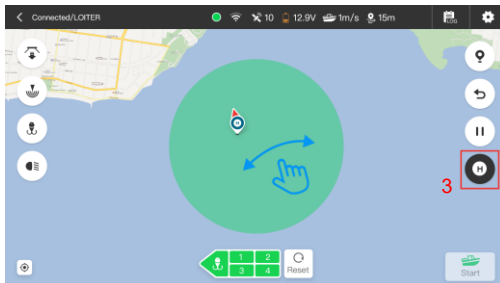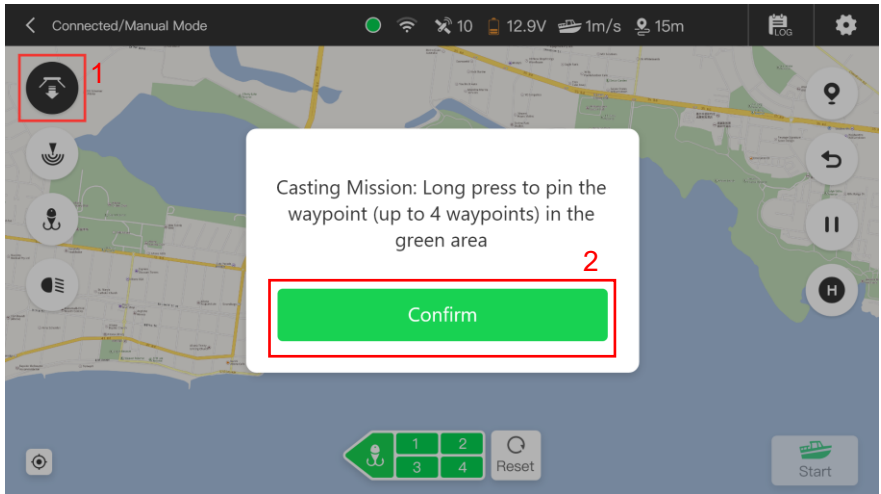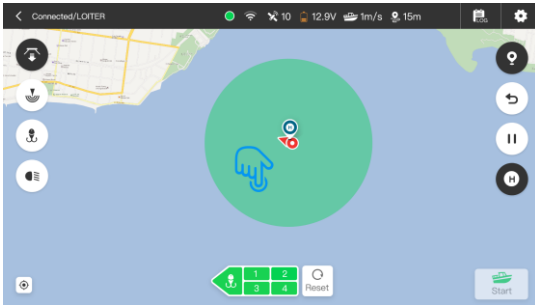

Tap the "H" button (in red square 3). Then move the map to set the "H" icon at your desired spot as the new home point.
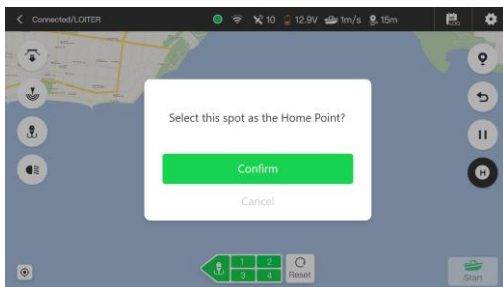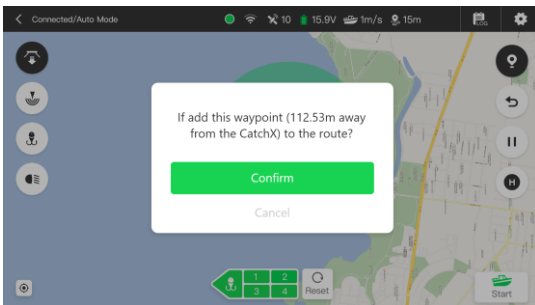

Re-tap the "H" button to confirm. If the default home point is fine with the mission performance, user could jump over clause 8.5.2.
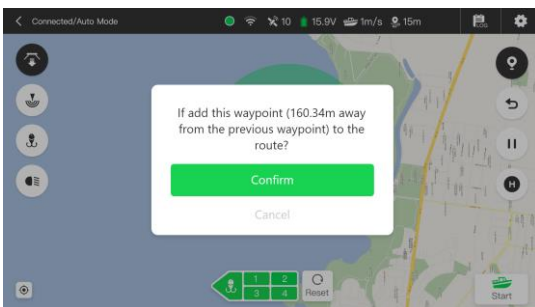
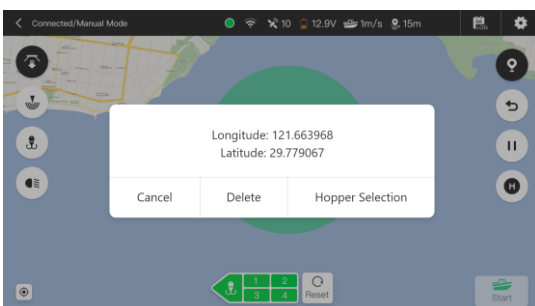### 3) Select the Waypoints

a) Long press the point you want in the green circle until the prompt box pops up.

b) Tap "Confirm".

c) Repeat the above-mentioned process if you want to add more waypoints (but no more than 4 waypoints) .

d) If you want to delete the selected waypoint, tap it and then select "Delete" in the prompt box.

4) Select the Hoppers

There are two ways to select hoppers, which directly decides the mode of the mission: *fully automatic* and *half automatic*.

| i. Fully Automatic	ii. Half Automatic
✓ Before performing the mission, tap the selected waypoint, and then tap "**Hopper Selection**" to confirm which <u>hopper</u> or <u>fishing line</u> to be released on which waypoint.	✓ If you start a task without selecting hoppers before the CatchX begins to sail, you need to confirm which hopper to be released every time CatchX reaches a waypoint.
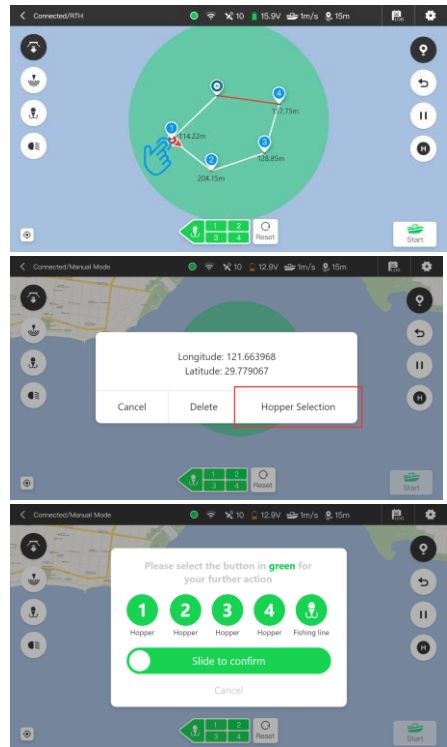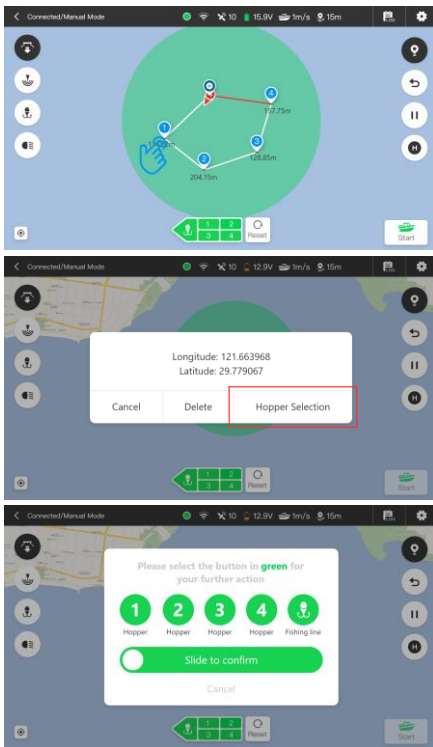
5) Perform the Mission
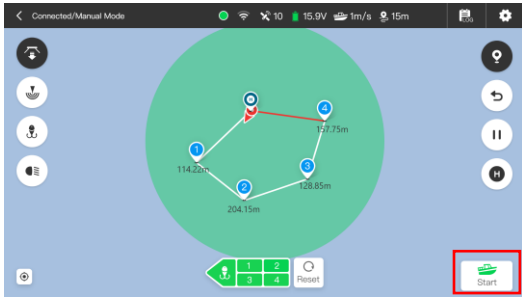
a) Tap the "Start" on the right bottom corner.

b) Slide to start.

NOTE: The CatchX will return to the home point automatically after the mission is completed.
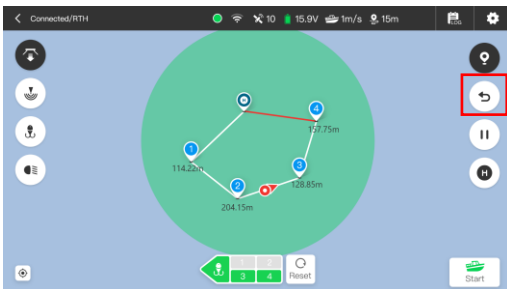
If you intend to cancel the ongoing mission, there are two methods:

1) tap the "Return to Home Point" button. The boat will go back to the home point set previously;

2) move the joystick on the remote control downwards for 3 seconds, the operation mode will turn to "Manual" and the boat will stay at the position it stopped.

6) Release the Hook

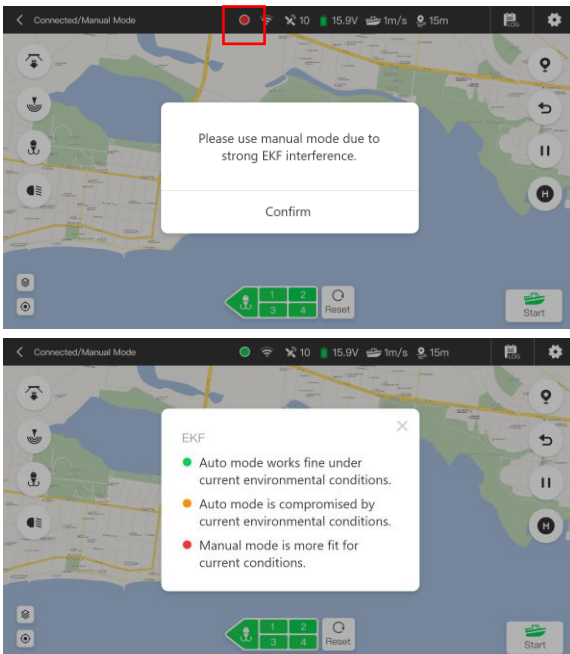a) Under the "Half Automatic Mode", when the CatchX arrives at any selected point where you want to release the hook, tap the third button on the left side.

b) Slide to cast.

8.6. EKF

Note: When the indicator light (shown in red square) turns red, it means the boat is suffering strong EKF interference, you will be recommended to use manual mode instead.

8.7. Turn On/Off the Lights by APP

Tap the fourth button on the left side (in red square) to turn on/off both the head and tail LED light belts.
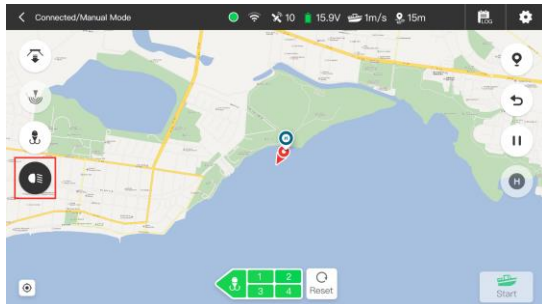
When the button in dark, the light belts have been turned on; if in white, they are off.

8.8. Historical Spots

The system will keep the record of all the historical spots that you have stored before; press the button in red square and will show your historical spots around the area as below:

9. Tips
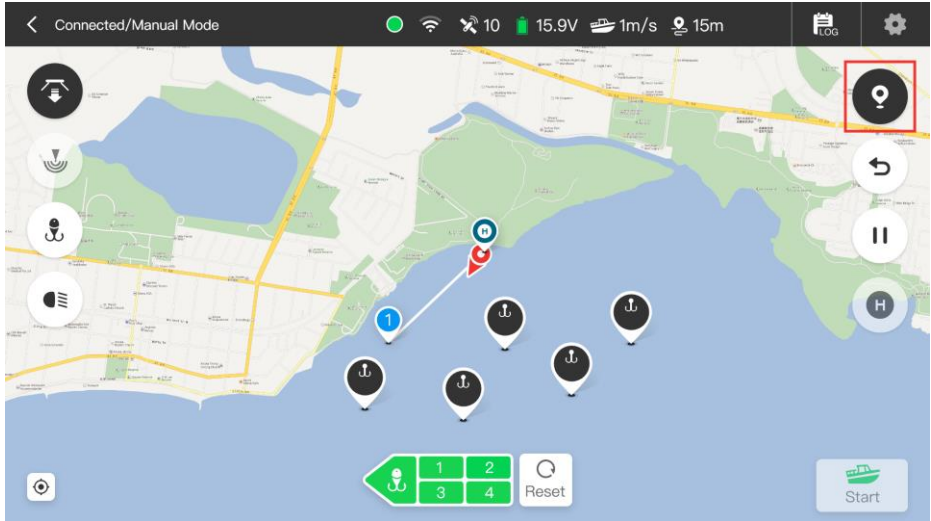
9.1. Update

Update for the APP：Please go to the proper and relevant app store to update the Rippton APP from time to time according to the system notification.

9.2. How to use the remote control to take over the control from the APP

When the APP controls the CatchX bait boat to perform tasks, it will display "A" (standing for automatic mode) on the top bar of the remote control screen. Pushing the joystick downwards for 2-3 seconds will change the current mode to manual mode ("M" appears on the screen instead). This means that the remote control has taken over the control successfully.

Notes

- 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 build 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 recharge the batteries every month.
- Please disconnect the boat antenna and remote control antenna after use to avoid breakage.
- Clean the bait boat with a slightly damp cloth. Do not use soap or solvent.
- Assign more baits into the front two hoppers than the rear two, to keep the boat's balance well.
- 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.
- Please release your baits loaded in the boat if the boat has sailed for 10minutes in order to prevent the baits get wet and extremely sticky.
- The range of the boat is dependent on weather and environmental conditions.
- Hold the handle of the boat at the position pointed by the arrow.
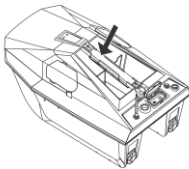
Environmentally friendly disposal

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible for bringing the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycling valuable raw materials and the safe treatment of toxic substances.
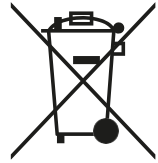
10. Support

10.1. Support

We are committed to providing you with the best possible products and services, but in the unfortunate circumstance that you have a complaint or our app has a bug which needs to be fixed, please get in touch with us by email: support@rippton.com

10.2. Video Tutorial

Please visit https://rippton.com/tutorial to watch the video tutorial of CatchX.

10.3. Tell us what you think...

11. Warranty

11.1. What the guarantee covers

Notice: Rippton reserves the right to amend and/or interpret all the contents provided in this manual.

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.

11.2. Warranty Form

Please complete the form to register your CatchX Warranty.

NAME：

ADDRESS：

POST CODE：

TELEPHONE NUMBER：

Email ADDRESS：

PURCHASED DATE：

ORDER NUMBER：

SERIAL NUMBER：

Please send the form to us via Email at support@rippton.com

CE RoHS