HELMSMAN

NAVIGATION SYSTEM

Available on the iPhone App Store

GET IT ON Google Play

Quick Start Guide

Please read the motor manual before this

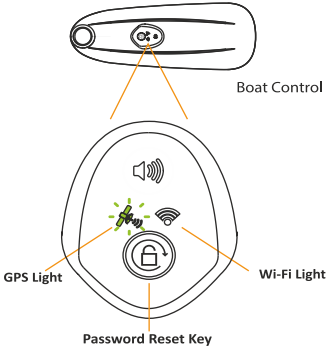
Preparation

Connect the battery to the motor, wait 10 seconds for system to initialize before deploying the motor.

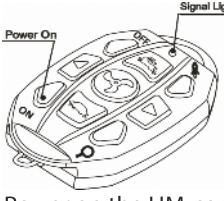
NOTICE:
It may affect the accuracy of navigation, if deploy the motor early.

GPS Connection

Ensure that the motor is used in open area and fine weather, otherwise boat control may not be able to locate position due to poor satellite signal.
The boat control will automatically search for GPS signal, then the GPS light of heading is on (2 minutes). If there is no GPS signal for long time, please reconnect the battery to re-initialise.



Pairing HM-connector (remote control)



Blue light flashes	Searching connections for cell phone and boat control.
Blue light on	Cell phone and boat control are connected.
Red light flashes	Remote control sending command signal.
Red light on	Low battery, HM-connector function disable.

Power on the HM-connector. Wait for a few seconds until the Wi-Fi light of the boat control is on. Now HM-connector and boat control are Wi-Fi connected.

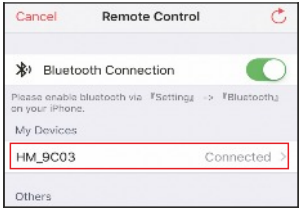
Please make sure your cell phone is connected to Internet via cellular data network.

Turn on the Bluetooth of your cell phone.

Bring the HM-connector close to your cell phone and tap button in helmsman App.

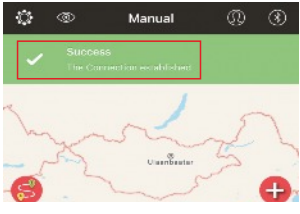


Select HM_XXXX to set up the Bluetooth Connection between your cell phone and HM-connector. If success, a word "Connected" will appear next to HM_XXXX and the status of HM-connector light will change to Blue light on.



NOTE:
If you can not find the HM_XXXX, re-power on the HM-connector.

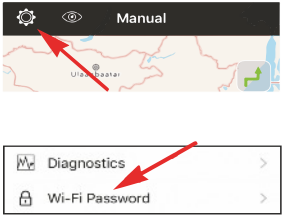
Return to Basic Operation. A message Success on your cell phone indicates that your cell phone and the HM-connector are connected. Now you can use HELMSMAN App to control your motor.



NOTE:
HM-connector acts as a bridge that connects the cell phone and the boat control, therefore you need to make sure it has power on and keep it close to your cell phone whilst using the Helmsman APP.

Set-up your own Wi-Fi password
(avoid interference of other HM-connectors)

Tap button, select Wi-Fi Password and change it. After changing the password, you have to reconnect power to the motor and re-power on the HM-connector for the system to recognise the new Wi-Fi password.



Helmsman APP Setting

To avoid risks and enhance the control experience, it's highly recommended to learn about the APP setting before first use.

Instructions

The online instructions describe the latest navigation system functions and troubleshooting.

China Optimization

Fixed the deviation of coordinates, please enable this function in mainland China.

Vibration

Smart phone will vibrate when you operate the APP in vibration mode.

Navi Mode

You can select a suitable mode for navigation in different environment.

Diagnostics

The operation log will be updated to Helmsman Data Center. It helps us to improve product quality and after service.

My Devices

Lists the information of the devices which have been connected to your cell phone.

Heading Calibration

Calibrate the compass inside boat control before first use, or when the angle deviation between heading direction and arrow direction is larger than 10 degrees.

The correct calibration result is shown in figure at right.

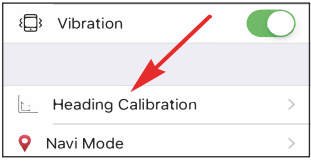
Tap the setting button. Select heading calibration and tap start button.

When the calibration starts, the motor will rotate automatically.

When the calibration is completed, the APP will display the hint.



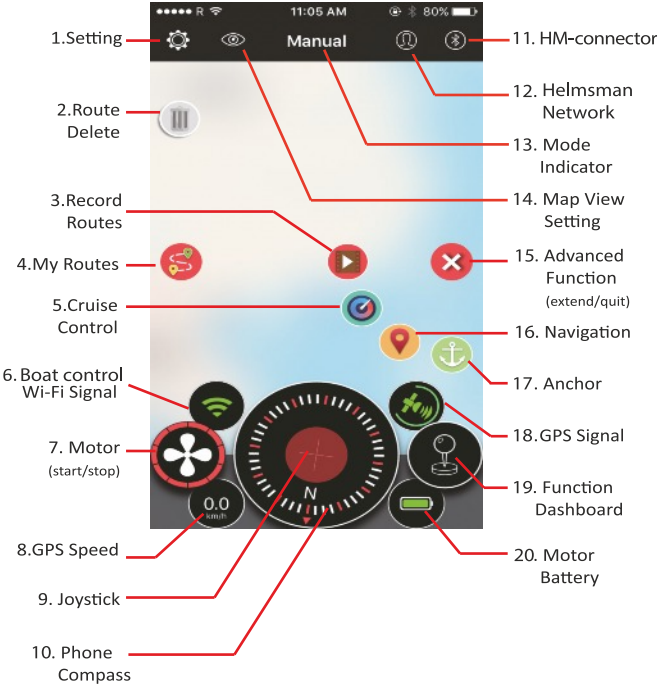




NOTICE:
Before heading calibration, please calibrate your cell phone compass first.
Please make sure there has no magnetic interference that could affect the heading.

Basic Operation

You can operate all the functions with your smart phone. Whether manual control or advanced functions, simple UI interface is easy to operate.



Manual Control



double tap
motor
start/stop

speed control

steer



long drag joystick upward
full speed
activate/quit

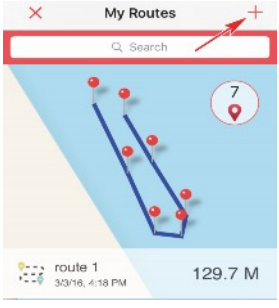


Full speed function can be activated only when the motor is on. Please start the motor first.

NOTICE:
In case of emergency, push the home button of your cell phone, the Helmsman APP will quit and the motor will stop immediately.

My Routes

tap to enter



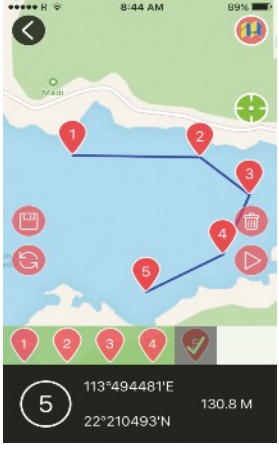
In My Routes interface, tap "New Route" button to create a new route on the map directly. By pressing in map, you can add new way-points. You can also edit the existing way-points by pressing it and dragging to the new location.

save the new route into My Route list

upload the route to boat control and it will begin to navigate automatically

reverse the route for return used.

delete the selected way-point.



For more information, please read the online instruction in APP setting.

Advanced Functions

Tap , 4 advanced functions will appear:

Record Route

Navigation

Cruise Control

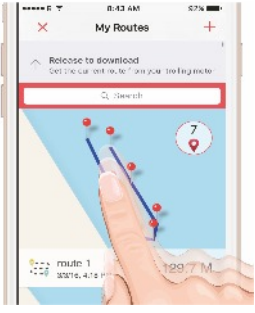
Anchor

NOTICE:
All the advanced functions can be used only when GPS is connected. The accuracy of advanced functions are related to the intensity of the GPS signal, the stronger the signal, the better the result.

Record Route

tap to start

tap to finish



You can record and save routes, allowing you to re-run them in the same direction or in reverse or call them up when fishing that area again.

When Record Route is activated the GPS Module in the motor will record the route and send it to the phone.

If record route function is interrupted, please tap then drag and release the list to download route from motor.

Cruise Control

 **tap to activate**

 **tap to quit**

Cruise Control is for efficient motoring in straight line with a set GPS speed.
Please set up the desired speed and start the motor before entering cruise control mode.

NOTICE:
In Cruise Control mode, you can steer manually to avoid obstacles and adjust the course direction, but the motor speed can not be changed.

Navigation

 **tap to activate**

 **tap to quit**

 **tap to delete route**

Before activating Navigation function, you have to upload a route from My Routes or Record Route onto map first.

When you tap  in last navigation, the motor will switch to manual mode, the route will be kept on the map. You can tap , the motor will firstly drive to the nearest way-point and then resume navigation.

You can tap  to delete the existing route on the map .

NOTICE:
When navigation is activated, you can still change the speed and steer manually to avoid obstacles.
When the motor arrives the final waypoint, the motor will enter the Anchor mode automatically.

Anchor



tap to activate
or
long drag joystick downward



tap to quit

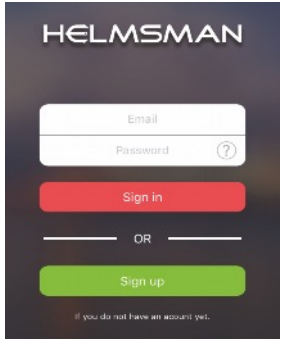


When the Anchor function is activated, the motor will keep your boat in the current location.

NOTICE:
In anchor mode, the boat control will adjust the speed according to the water flow automatically, you can not control the speed and motor manually.

Helmsman Network

This is an unique place for share all your routes, anchor spots and new discoveries to your friends. Here we can comments to those who share and download all the functional routes and anchor spots from the network. Helmsman welcome you to join and build a better network together.



An Important Note

Please read this document, the online instructions in the Helmsman APP and the motor manual carefully before your first use.

Learn More

You can find more updated information about Helmsman navigation system at:

https://helmsman.im/

Safety and Responsibility

You are responsible for the safety and careful operation of your device. The Helmsman navigation system provides advanced functions to enhance your control experience, but you have to pay attention to avoid potential dangers by yourself. You must always be ready to switch to manual control when hazards occur. We are not responsible for the danger and damage caused by function failure of your cell phone. It's strongly recommended to practice how to use the Helmsman navigation system with the motor in an area free from hazards and obstacles.

Support

If you have any comments and suggestions, please contact us :

HELMSMAN App > Setting > Help > Customer Service

or email: hi@helmsman.im