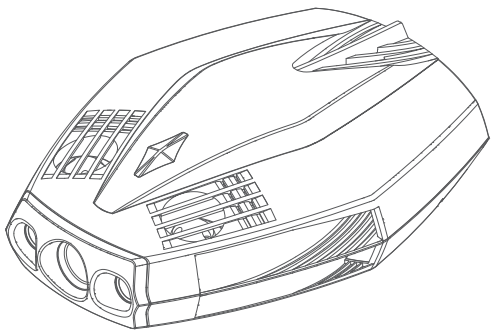


# CHASING DORY

Everyday Underwater Exploration



## User Manual

V2.0

# Disclaimer

Thank you for purchasing the CHASING DORY underwater drone. Please read this entire document carefully before using the drone. By using this product, you hereby signify that you have read this disclaimer and all instructions carefully and that you understand and agree to abide by the terms and conditions herein.

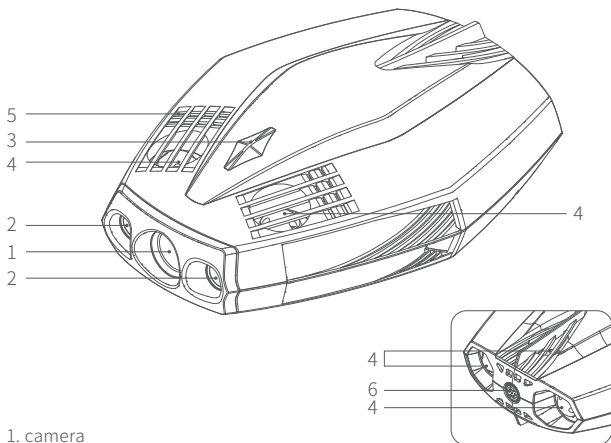
---

CHASING DORY is a small five thruster underwater drone used for real-time observation, exploration, photography, and video capture. Chasing accepts no liability for damage, injury, or any legal responsibility incurred directly or indirectly from the use of CHASING DORY in the following conditions:

01. Damage(s) or injuries incurred when users are drunk, taking drugs, drug anesthesia, dizziness, fatigue, nausea and any other conditions no matter physically or mentally that could impair your ability.
02. Damage(s) or injuries caused by subjective intentional operations.
03. Any mental overcompensation caused by accident.
04. Failure to follow the guidance of the manual to assemble or operate.
05. Malfunctions caused by refit or replacement with non-Chasing accessories and parts, or unauthorized modification, disassembly, or shell opening not in accordance with official instructions.
06. Damage(s) or injuries caused by using third-party products or fake Chasing products.
07. Damage(s) or injuries caused by misoperation or subjective misjudgment.
08. Damage(s) or injuries caused by mechanical failures due to erosion, aging.
09. Damage(s) or injuries caused by operating the unit with a low battery alert.
10. Damage(s) or injuries caused by operating the drone out of maximum safe range and depth.
11. Damage(s) or injuries caused by knowingly operating the product in abnormal conditions (such as the assembly is not completed, or the main components have obvious faults, obvious defect or missing accessories).
12. Damage(s) or injuries caused by operating the drone in a sensitive zone such as a military area or private waters without official permission.
13. Damage or injury caused by using in bad water conditions (such as high winds, or turbid zone).
14. Damage or injury caused by uncontrollable external factors, including severe collision, tidal wave, swallowed by animal.
15. Damage(s) or injuries caused by infringement such as any data, photo or video material recorded by the use of the CHASING DORY.
16. Other losses that are not covered by the scope of Chasing's liability.

# Drone

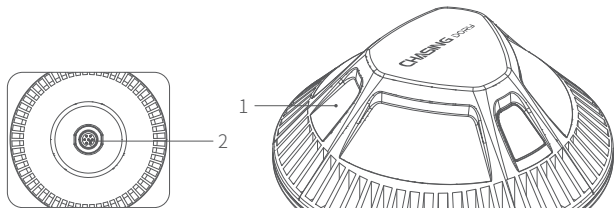
CHASING DORY is a small five thruster underwater drone used for real-time observation, exploration, photography, and video capture. The drone can move up and down vertically and can tilt  $\pm 45^\circ$ . It can dive up to 50 meters (49ft) and has a high-definition camera for shooting photos and videos. The drone is easy to operate and its small size allows it to be carried in a single backpack. It has a battery life of approximately 1 hour. Whether you're diving, fishing, taking underwater photography, or yachting, the CHASING DORY is your best choice.



1. camera
2. LED lights
3. flash light
4. thrusters
5. drain hole / vent hole
6. tether / charging socket

# Wi-Fi Buoy

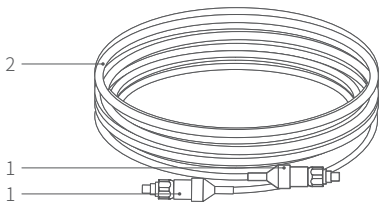
The function of the buoy is to provide Wi-Fi signal, so that the mobile phone can connect with the drone through Wi-Fi, making it possible to control the drone in real time.



1. flash light
2. tether socket

# Tether

The tether is used to connect the drone and buoy.



1. tether connectors
2. tether

# Installation & Connection

## 1 Download CHASING DORY App

Scan QR code or visit iOS App store /  
Google Play to download.  
(iOS 9.0 / Android 5.0 and above)

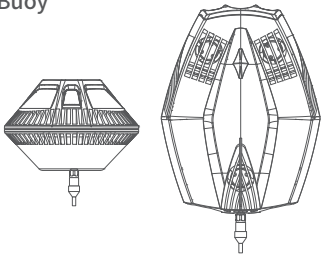


---

## 2 Connect Drone and Wi-Fi Buoy

Insert one end of the tether into the drone and the other end into the Wi-Fi buoy. Securely hand-tighten both coupling bolts.

**⚠ Note:** Check the O-rings on the tether connectors. If they are missing or damaged, please replace them. Make sure the tether connectors are dry before connecting.



---

## 3 Booting Up

Once the Dory and the Wi-Fi buoy are connected, the LED lights on the drone will flash and you will hear two self-test sounds. A flashing green light will indicate that both the Dory and Wi-Fi buoy are powered on.

#### 4 Wi-Fi Connection

On your mobile device, go to Wi-Fi settings.

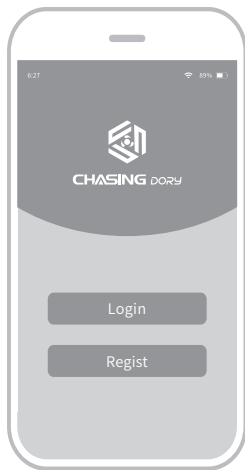
Click “Dory\_XXXXX” network and enter password 12345678.



---

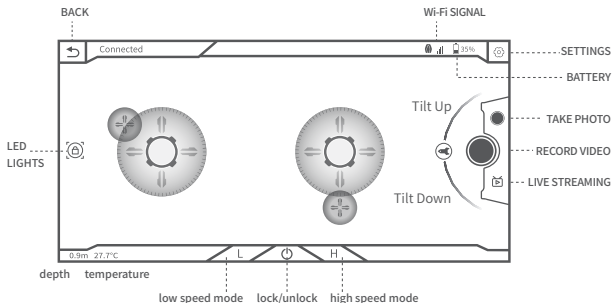
#### 5 Registration & Login

When you open the CHASING DORY App for the first time, please follow the interface prompts to register for an account and log in to the App. A network connection is required during the registration and login process.



## 6 CHASING DORY App Tutorial

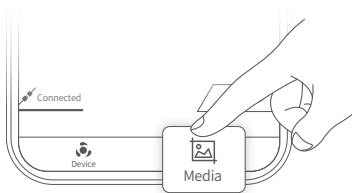
Open the App, when you see "connected" on the bottom left corner, click "start" on the right. Now you will see the main App interface (below). Click the power button to unlock the drone and use the virtual joy stick on screen to control the drone's movement.



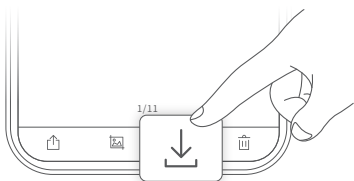
- ▲ Note:** 1. Do not start the Dory motors while out of the water. Doing this can seize the motors.  
2. For better user experience, we are constantly updating software interface & features.

## Photo & Video Download

- 1 Once the drone and buoy are connected, open CHASING DORY App and click on "Media"












- 2 Find the video / photo you wish to download.  
Click the download button to save it directly to your phone / tablet.






## Navigation

The CHASING DORY has 8 states: ascending, decending, left turn, right turn, forward, backward, lowering the head, and lifting the head. See details below on how to use the virtual controller to navigate.

| Flight Direction   | American Hand   | Japanese Hand   | Virtual Controller   |
|--|---|---|----------------------|
| Ascending /<br>Decending<br> | left virtual joystick,<br>move up and down<br>     | right virtual joystick,<br>move up and down<br>    | options to customize |
| Turn left /<br>right<br>    | left virtual joystick,<br>move left and right<br> | left virtual joystick,<br>move left and right<br> | options to customize |
| Forward /<br>Backward<br>  | right virtual joystick,<br>move up and down<br>  | left virtual joystick,<br>move up and down<br>   | options to customize |



| Flight Direction  | American Hand  | Japanese Hand  | Virtual Controller |
|---|--|--|--------------------|
| Lowering the head / Lifting the head<br> | Tilt up / Tilt down<br> | Tilt up / Tilt down<br> |                    |

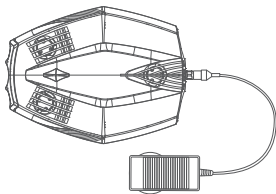
**⚠ Note:** The default mode is Japanese hand. You can switch to American hand or customize settings in the app.

## Charging Guidelines

### Power adapter indicator light:

A solid red light indicates normal charging is in process. A solid green light indicates a complete charge. After charging, please unplug the power adapter.

**⚠ Note:** Wi-Fi buoy does not have a battery and requires no charging. Please DO NOT charge the Wi-Fi buoy.



## Specifications

### DRONE

|                    |              |
|--------------------|--------------|
| SIZE               | 247*188*92mm |
| WEIGHT             | 1.1kg        |
| MAX DEPTH          | 15m          |
| MAX SPEED          | 1.5kn        |
| RUNTIME            | 60min        |
| BATTERY CYCLE LIFE | ≥300times    |

### BUOY

|                   |              |
|-------------------|--------------|
| SIZE              | 130*130*88mm |
| WEIGHT            | 160g         |
| STORAGE           | 16G          |
| MAX WiFi DISTANCE | 15m          |

### CHARGER

|               |            |
|---------------|------------|
| POWER         | 12.6V 1.8A |
| CHARGING TIME | 3 hours    |

## CAMERA

|                |                      |
|----------------|----------------------|
| CMOS           | 1/2.9-inch           |
| LENS           | f/1.6                |
| FOCUS          | 4mm                  |
| ISO RANGE      | 100-3200             |
| FOV            | 100°                 |
| MAX RESOLUTION | 2M (1920*1080)       |
| FORMAT         | JPEG                 |
| VIDEO          | FHD: 1920*1080 30FPS |
| VIDEO STREAM   | 4M                   |
| VIDEO FORMAT   | MP4                  |

## SENSOR

|                    |                              |
|--------------------|------------------------------|
|                    | 3 axis gyro                  |
| IMU                | accelerometer                |
|                    | compass                      |
| DEPTH SENSOR       | $\leq \pm 0.5\text{m}$       |
| TEMPERATURE SENSOR | $\leq \pm 2^{\circ}\text{C}$ |

## LED

|                   |              |
|-------------------|--------------|
| BRIGHTNESS        | 2*250 Lumens |
| COLOR TEMPERATURE | 4500K-5000K  |
| CRI               | 80           |

**▲ Note:** Charging time varies by environmental factors, actual results will vary.

## Precautions

### 1 Navigation Safety



Open sea navigation



Suggested to use in calm waters



For best results dive in clear waters, avoid heavy seaweed areas.



No dense radio or radar signals

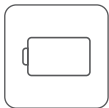


Do not dive more than 15m



The buoy's Wi-Fi range is 15 meters. If distance between Wi-Fi buoy and phone exceeds this distance, the connection will be lost.

### 2 Battery Protection



Do not run out of battery power



Charge it when the power is less than 25%



When not in use, keep battery power at 50% - 70%



Working temperature  
-10 °C ~ 60 °C  
(14°F-140°F)

**▲ Note:** Fully discharge every 3 months.

### 3 Others



When not in use, do not expose the drone to sunlight. Store it in a cool dry place or in the protective case



Children must use product under adult supervision



Before use, check for water on the tether connectors. If present, wipe with a towel.



After each use please wash the motor and propellers with clean water.

## Others

1. Do not turn on the LED lights before entering the water.
2. Rusted screws should be replaced immediately.
3. After each use, dry the connectors on drone, buoy and tether with absorbent towel.
4. Do not place heavy objects on drone or tether to avoid possible damage.
5. When not in use, do not expose the drone to sunlight. Store it in a cool place or in the protective case.
6. Do not run drone motors out of water for more than two minutes to avoid wearing out thrusters.

## Support

If you have any questions, please contact [support@chasing-innovation.com](mailto:support@chasing-innovation.com). You can also join the Official Chasing Dory Owners Group on Facebook for official news and app update notifications.

This content is subject to change.

**Download the latest version from**

**<https://www.chasing.com/service-support-dory>**

**CHASING**

**[www.chasing.com](http://www.chasing.com)**

**[support@chasing-innovation.com](mailto:support@chasing-innovation.com)**