

01 Power/Takeoff button

02 Battery

03 Display

04 Back button

05 Confirm button

06 Foam frame

07 Select button

08 Gimbal and camera

09 Propellers

10 Bottom heatsink

11 Motor

12 VIO sensor

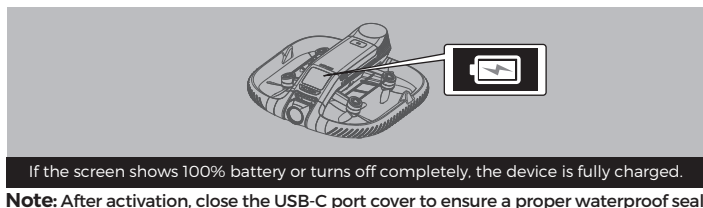
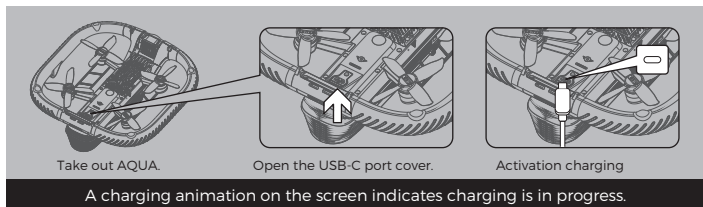
13 Microphone

14 Speaker

15 USB-C port cover

Step 1 Charging

- Charge the battery first to activate it.



Step 2 Download the Hover App

- Scan the QR code to download and install the Hover App to activate the device.



Step 3 Power On/Off

- Press and hold the Power button.



Step 4 Connect to the Hover App

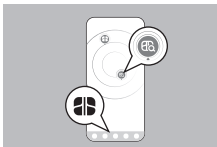
- HOVERAir AQUA connects to the App via Bluetooth. Follow the steps below to connect:



Turn on HOVERAir AQUA.

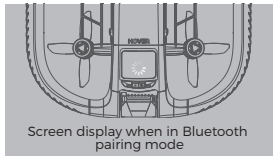
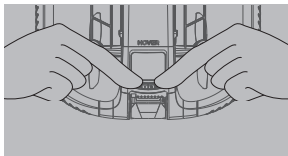


Open the Hover App.



Tap the Hover tab → Enable Bluetooth as prompted → Tap 'Search for nearby devices' → Select your device to connect.

Note: If the App can't find the device, press and hold both left and right navigation buttons for about 3 seconds. When "Bluetooth Activating" appears on the screen, try again.

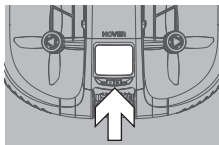


Screen display when in Bluetooth pairing mode

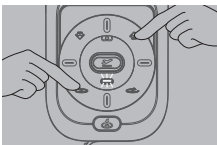
Step 5 Connect the AQUA Lighthouse



Press and hold the Power button to power on.



Follow on-screen instructions on AQUA to pair with Lighthouse.

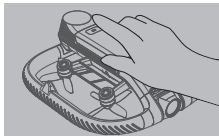


Press and hold [Up] and [Left Spin] buttons on Lighthouse for approximately 3 seconds to connect with AQUA. When pairing is successful, a sound from the Lighthouse will play.

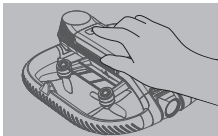
Note: For indicator light meanings and reconnection methods, refer to the Lighthouse Quick Start Guide.

Step 6 Take-off

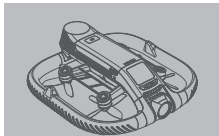
■ Handheld Takeoff



As shown, hold HOVERAir AQUA securely with one hand so that it is horizontal.

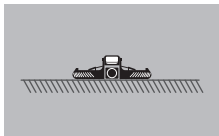


Press the battery Power/Takeoff button briefly.

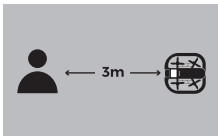


When the propellers begin spinning slowly, release your grip to allow the device to take off.

■ Ground Takeoff



Place the device on a flat surface outdoors in an open area or on calm water.



Stand at a safe distance (at least 3 m recommended) and wait for OmniTerrain to activate.



Press the Takeoff button on the Lighthouse to initiate takeoff.

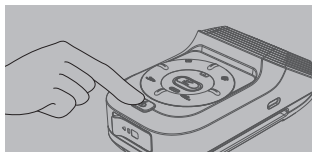
Step 7 Return and Land

■ Intelligent Flight (Zoom Out, Orbit, Bird's eye, Spiral, 360° Spin)

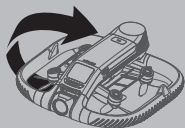
After completing an intelligent flight, AQUA will automatically fly back near the locked target. If the target cannot be located, it will return near the takeoff point, hover briefly, and then land automatically.

■ Landing Button

Press the Return to Home button on the Lighthouse, and AQUA will automatically return and land.



- In an emergency, grab the flying AQUA and flip it 180° to stop the propellers.



Rotate the device 180° to stop the propellers.

■ Manual Control

In Manual mode, fly AQUA to a suitable location and land it manually. Alternatively, press Return to Home button to return it near Lighthouse.

Flight Safety Precautions

1. Do not insert fingers or objects into the propellers.

2. Takeoff and landing environment requirements

Do not fly in waters with large waves, fast currents, or floating debris (such as aquatic weeds or trash). Do not take off or land on beaches, muddy shores, or in sandy waters to prevent sand or particles from entering the motors or sensors.

3. Maintenance after water use

After operating in water, rinse the device surface gently with clean, room-temperature water; do not use high-pressure water jets.

Submerge the motors in clean water and slowly rotate the propellers manually until the motors return to normal.

Place in a cool, well-ventilated area to air-dry naturally. Ensure the body and ports are completely dry before storage.

4. Waterproof self-check

Run the "Waterproof Detection" program on the device to verify waterproof integrity. The system also performs continuous waterproof checks during flight. If a "Waterproof performance may be reduced" alert appears, stop using the device immediately and inspect the seals.

* For more safety information, refer to the AQUA Disclaimer and Safety Guide or the user support page on the official website.

Maintenance and Care

1. Lens coating care

The lens surface features a durable hydrophobic coating. Follow these guidelines:

Rinse the lens with clean water after use to remove salt, fingerprints, or smudges.

Use a clean microfiber cloth to gently press and absorb moisture. Do not wipe back and forth.

Do not use dirty tissues, towels, or any fabric containing particles to avoid scratches.

Do not clean the lens with alcohol or strong chemical solvents.

2. Device Cleaning and Storage Requirements

For prolonged use in humid or coastal environments, periodically place the device in a dry environment or use desiccants.

Do not expose the device to direct sunlight, high temperatures, salt spray, or high humidity.

Do not use alcohol, gasoline, detergents, or other chemical solvents for cleaning.

Store in a dry, cool, and well-ventilated area; avoid direct sunlight and high temperatures.

If the device is not used for an extended period, inspect the body and battery every 60 days.

For use in coastal or high-humidity environments, it is recommended to store the device in a drying box or with silica gel packs.

3. Battery care

The battery is waterproof only when it is properly installed in the device with all seals intact.

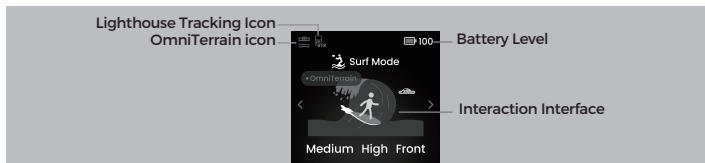
After water exposure, remove the battery, wipe it dry, and allow it to air-dry. Storing the battery while wet is strictly prohibited.

For prolonged use in humid environments, ensure the battery and the device body are stored separately in dry conditions.

Step 8 Switch Modes and Set Parameters

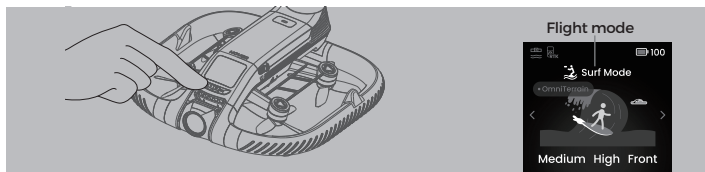
Introduction to Screen Functions

■ Top Status Bar



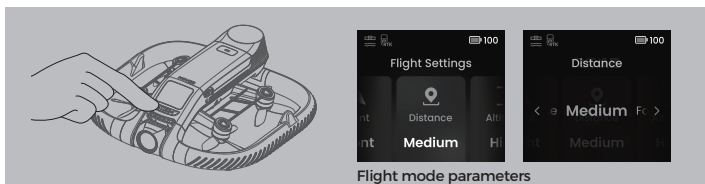
Note: The OmniTerrain and Lighthouse Tracking icons will light up when the device is ready and connected. When the OmniTerrain icon is lit SUP Mode, Surf Mode and Kayak Mode will be available. Refer to Interface Guide or User Manual for details.

■ Switching Flight Modes



Press the Select button briefly to switch the flight mode.

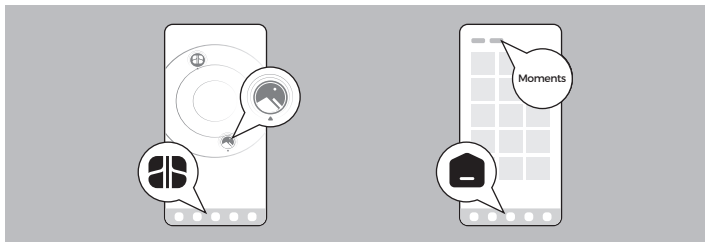
■ Setting parameters



Tap the Confirm button to enter the settings item.
Mode and parameter settings can also be adjusted in the HOVER App .

Step 9 Video and Photo Download

- After connecting to HOVERAir AQUA via Bluetooth, you can view thumbnails on the "Hover" tab and select files to download.
- Downloaded files can be viewed in Home > Moments or in your phone's local gallery.



Note: Downloading requires connection to the aircraft's Wi-Fi. Follow the prompts and wait for the connection to complete.

Control Methods

AQUA supports control via the mobile app or the remote controller.

Mobile App

Download the Hover App and connect to AQUA via Wi-Fi. Control the AQUA using on-screen virtual joysticks.

Remote Controller

Use the Lighthouse Remote Controller to adjust flight, take off, or return home within visual line of sight.

For advanced control, use beacon and joystick kit.

Supported Flight Modes

[SUP Mode, Dolly Track, Surf Mode, Kayak Mode, Angle Track, and Orbit Follow; APP: Custom, Cinematic, Stable, High-speed.]

Available flight modes may be updated from time to time. For the latest information, please refer to the aircraft or the app interface. This document will not be updated.

Fault Handling

During flight, if AQUA encounters a fault, status information is transmitted to the remote controller via wireless communication (Bluetooth / Wi-Fi / LoRa).

Fault alerts are presented to the operator through audio prompts or on-screen toast notifications.

Reported fault types include:

- Sensor abnormality
- Communication abnormality
- Low battery warning

Disconnection Warning

When AQUA loses connection with the remote controller, a warning is issued on the controller side.

- Lighthouse Remote Controller: Blue pulsing light with two rapid vibrations, accompanied by the audio prompt "device disconnected."
- Hover App / Hover Beacon and Joystick Kit: On-screen toast notification indicating aircraft disconnection.

Behaviour After Disconnection

In Manual Control mode, the following actions can be selected when a disconnection occurs:

- Return to Home
- Hover in place
- Return along the original path for 30 m, then hover (default)

Reconnection After Disconnection

AQUA supports automatic reconnection. After a disconnection, the device continuously searches for a signal.

When the distance between AQUA and the remote controller is reduced (typically 50-100 m in open, unobstructed environments, depending on conditions), the connection can be re-established.

Flight Restrictions

1. Follow local laws and regulations to safely use this product, and ensure that both the firmware and the app are updated to the latest version.
2. Restricted areas include major airports, cities, and event venues. Review and comply with local regulations before operating the device.

UAS Class & Identification

UAS Class: C0

MTOM

The ZZ-H-1-005 has a maximum take-off weight of 249 g, including battery and propellers.

Accessory & Storage Restriction:

Users are prohibited from carrying accessories other than those in the official accessory list. This aircraft uses 128 GB of internal storage; external SD cards are not supported.

Mode Descriptions

1. Indoor Mode: For indoor use. Uses optical flow and barometer. Max speed: 2 m/s.
2. GPS Mode (Normal Mode): Active when $GPS \geq 7$. Max speed: 8 m/s.
3. Sport/Follow Mode: Maximum horizontal flight speed reaches 55 km/h. Due to high speeds, braking distances will increase. Ensure a wide, obstacle-free environment.
4. ATTI Mode: Triggered under poor GPS/visual conditions. The aircraft will drift and cannot maintain position. Land as soon as possible.

Flight Environment & Safety

1. Water & Dust Resistance: Rated IP67. Suitable for water environments. Ensure all ports are sealed before flight.
2. Wind Conditions: Do not fly in winds exceeding 14 m/s (Level 7).
3. High Altitude: Above 2500 m, propulsion efficiency and battery performance will begin to decrease. Do not take off above 5300 m.
4. Temperature: Operating range is -5°C to 40°C. Battery performance may be limited in cold environments.

Camera & Storage

Internal Storage:

Media is saved directly to the 128 GB onboard memory. Manage and download files via the app's "Hover" tab.

HD Previews

Even without an SD card slot, low-res thumbnails can be previewed instantly, while high-definition files are stored internally for later download.

Battery & Charging

Charging

Use the official HOVER 65W charger or a standard USB PD charger.

Storage

If the aircraft is unused for a long time, maintain the battery at 40%-60% to prevent over-discharge.

Product Specifications

Takeoff weight: 249 g

Dimensions: 202 × 206 × 64 mm

Maximum propeller speed: 40,000 rpm

Maximum horizontal flight speed: 55 km/h*

Maximum flight altitude: 120 m *

Maximum takeoff altitude: 5,300 m (performance degradation at ≥ 2,500 m)

Maximum flight time: 23 minutes

Maximum wind resistance: Level 7 (approx. 14 m/s)

IP rating: IP67

Operating temperature: -5°C to 40°C (23°F to 104°F)

Charging temperature: 0°C to 40°C (32°F to 104°F)

Gimbal angle range: -90° to +30°

Interface type: USB-C

Wi-Fi protocol: 802.11 a/b/g/n/ac/ax

Onboard storage: 128 GB

Rated Capacity: 2013 mAh Nominal Voltage: 10.74 V

Max Charging Voltage: 12.9 V Rated Energy: 21.62 Wh

Recommended chargers: HOVER 30 W / 65 W or other chargers that support USB PD fast-charging.

Transmit Power (EIRP): Bluetooth: < 10 dBm; LoRa: < 20 dBm

2412-2472MHz, 2422-2462MHz < 20dBm

5745-5825MHz, 5755-5795MHz, 5775MHz < 20dBm

Radar: 58.5-62GHz < 16dBm

GNSS:

GPS: L1 C/A, L5 Glonass: L1OF BDS: B1I- B2A Galileo: E1-B/C, E5

*Specifications may vary depending on local laws and regulations. Please refer to your local policies and the actual operating environment.

Maximum flight speed and altitude may be limited by local laws and regulations.

CE Maintenance

The device complies with RF specifications when the device used at 20cm from your body.

List of accessories

Propellers

Model: Splash Propeller-V7-CCW / Splash Propeller-V7-CW

Dimensions: 70 x 70 x 5.5 mm

Weight: 1.16 ± 0.05 g

Lithium Ion Rechargeable Battery

Model: ZZ-H-3-005

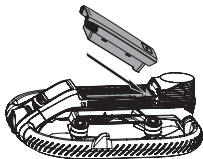
Dimensions: 92 x 48 x 25 mm

Weight: 89 g

Users are prohibited from mounting any accessories not included in the list of accessories.

Battery Installation Guide

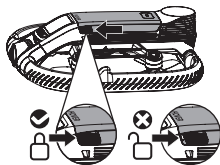
Installation



- ①. Insert the battery connector (ensure the compartment is dry and free of debris).

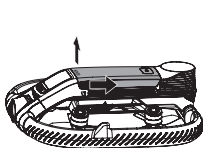


- ②. Press the battery into place until it clicks.

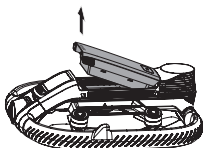


- ③. Slide the lock forward until the red indicator is fully covered. (If the lock is not fully engaged, AQUA will not be fully waterproof.)

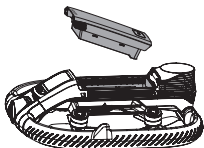
Removal



- ①. Slide the lock backward.



- ②. The battery will eject.



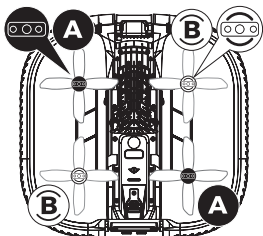
- ③. Remove the battery.

Propeller Installation Guide

1. Turn the device upside down with the propellers facing upward.

2. Open the maintenance kit and use the included T4 screwdriver to remove the propellers.

3. Install the replacement propellers according to their positions. (Check the propeller markings: propellers with a small circle are type B; propellers without a circle are type A.)



Type A propeller
for type-A motors only

Type B propeller
for type-B motors only

Note: Incorrect propeller installation may cause the aircraft to fly erratically. Please read the installation instructions carefully.

4. Secure the propellers using the propeller screws and the screwdriver.

Propeller
screws



x 8

M1.6*3.2

Frame
screws



x 4

M1.6*3.7

5. Scan this QR code to view tutorial video.

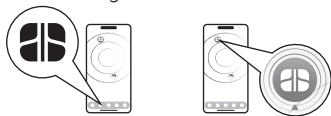


App Settings Guide

1. Hover Settings/Mode Display

1.1 Flight Mode Settings

After connecting to the aircraft, you can view or adjust detailed parameter values for different flight modes on the Radar Settings page.



1.2 Live Preview

After connecting to AQUA, go to the Hover page to access the live preview.



- 01 Virtual joystick
- 02 Gimbalpitch angle
- 03 Aircraft Settings
- 04 Shoot

2. Supported Operating Systems, Software Versions, and Update Policy

2.1 Supported Operating Systems

Android: Android 5.0 or later

iOS: iOS 12.1 or later

2.2 Update Policy

Updates are released through major mobile app stores, including the iOS App Store, Google Play, Tencent App Store, and Huawei AppGallery.

When a new version is available, an in-app notification will prompt users to update.

3. Update Guide

When a new version is available, a version update pop-up appears upon opening the app. Tap Update Now to update the app.



Warranty Card

Product Name : _____ User Name: _____

Product SN : _____ Contact Tel.: _____

Distributor : _____ Purchase Date : _____

Apply for Warranty Service

If you experience issues with your product during the warranty period, please follow these steps to request service:

Parts	Warranty Period	Service Method
Mainboard	12 Months	Customer Return for Repair
ESC Board	12 Months	Customer Return for Repair
Gimbal and Camera	12 Months	Customer Return for Repair
Downward Camera	12 Months	Customer Return for Repair
Motor	12 Months	Customer Return for Repair
Prop Guard	No warranty period	Customer Return for Repair
Battery	12 months with less than 100 cycles	Customer Return for Repair
Propellers	No warranty period	Customer Return for Repair
External Parts	No warranty period	Customer Return for Repair

The warranty period for this product begins on the date of purchase. If you cannot provide valid proof of purchase, the warranty start date will be 90 days after the manufacturing date shown on the device, or as otherwise specified by Zero Zero Technology. If the last day of the warranty period falls on a statutory holiday, the warranty will extend to the next business day.

Within the above warranty period, if Shenzhen Zero Zero Infinity Technology Co., Ltd. ("we" or "Zero Zero Technology") confirms that performance issues are due to quality problems of the aforementioned components, users can receive free repairs. For issues occurring outside the warranty period or not due to component quality problems, users may request paid repair services.

Zero Zero Technology is only responsible for the shipping costs to return the product to the user's specified location after free repairs.

The following situations are not covered by the free warranty:

- Faults or damage caused by transportation or handling after purchase;
- Any modifications, disassembly, or repairs not authorized by Zero Zero Technology;
- Damage caused by accidental factors or human actions, such as liquid ingress, drops, incorrect voltage input, excessive pressure, motherboard deformation, etc.;
- Faults or damage caused by improper installation, use, maintenance, or storage not in accordance with the user manual;
- Damage resulting from any flight and filming activities not conducted according to the product manual; Inability to provide valid proof of purchase or receipt, or if the documents have been forged or altered;
- Labels, serial numbers, or waterproof and tamper-evident marks that have been torn, altered, or are illegible;
- Faults or damage caused by force majeure (e.g., fire, earthquake, flood, etc.);
- Accidents such as collisions, burns, or loss of the product caused by non-quality-related human factors;
- Damage caused by operating in complex electromagnetic environments or areas with strong interference sources, such as mines, transmission towers, high-voltage lines, substations, etc.;
- Damage caused by interference from other wireless devices, such as transmitters, video transmission signals, Wi-Fi signal interference, etc.;
- Damage caused by taking off with a weight exceeding the safe takeoff limit;
- Damage caused by forced flight with aged or damaged components;
- Damage caused by reliability and compatibility issues when using non-Zero Zero Technology certified third-party components;
- Damage caused by insufficient discharge due to low battery power or using a battery with quality issues;
- Batteries that have not been charged or discharged for over three months;
- Signs of tampering or alteration on the machine serial number, factory labels, and other markings;
- Failure to follow official guidelines for lost product certification in the event of product loss;
- Failure to send the relevant items within 7 calendar days after contacting Zero Zero Technology for warranty service confirmation;
- Other performance issues not caused by product quality problems.
- Damage caused by the use of official/third-party stickers is not covered by the warranty.

Other notes:

- Please note that product repair may result in data loss. We strongly recommend backing up your data before sending the product for repair. Zero Zero Technology is not responsible for any data loss during the repair process.
- The customer is responsible for any losses incurred due to providing an incorrect delivery address or if the recipient refuses to accept the package.
- Water damage can severely affect product performance. If the product is deemed irreparable, Zero Zero Technology may, at its discretion, offer a replacement service.
- Before sending the product for repair, please remove any personalized items or decorations (including but not limited to decorative stickers, UAS stickers, paint, etc.). Zero Zero Technology is not responsible for damage or loss of these personalized items or decorations.
- To protect your rights, please inspect the product for any damage (including shipping damage) upon receipt. If you find any issues, please notify us within 7 days of receiving the product. Otherwise, it will be assumed that you have received the product in good condition and working order.
- Any components replaced during repair (including paid repairs) will be retained and owned by Zero Zero Technology.
- For products beyond the warranty period or free repair service scope, Zero Zero Technology will provide a quote based on the specific situation. Please pay the corresponding fees for any chargeable services. If you refuse to pay, Zero Zero Technology reserves the right to suspend services until the fees are settled. You will be responsible for any consequences resulting from such suspension.