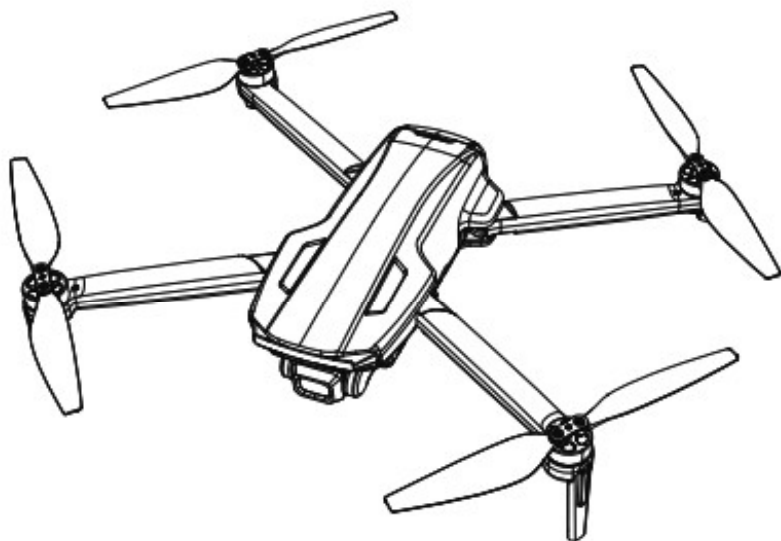


**Veeniix<sup>®</sup>**

**14+**  
for age

# User Manual

v1.0



## V11Air

CONTACT US FOR MORE TECH SUPPORT


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 [veeniixtoy@gmail.com](mailto:veeniixtoy@gmail.com)



# Content

<b>1. Product List</b>	<b>1</b>
<b>2. Requirements of Flight Environment</b>	<b>2</b>
<b>3. Fine Drone</b>	<b>3</b>
<b>4. Flight Battery Safety Guidelines</b>	<b>4</b>
<b>5. Disclaimer and Warning</b>	<b>6</b>
<b>6. Flight Operation Guidelines</b>	<b>7</b>
<b>1. Reading Tips</b>	<b>9</b>
1.1 Symbols Explanation	9
1.2 Read Before the First Flight	9
1.3 Download the Veenix Mini App	9
1.4 Tutorial Videos	10
1.5 FAA Remote ID Registration Process	10
<b>2. Product Profile</b>	<b>15</b>
2.1 Introduction	15
2.3 Diagram	15
<b>3. Aircraft</b>	<b>19</b>
3.1 Speed Mode	19
3.2 Aircraft Status Indicator	20
3.3 TOF, Optical Flow Positioning	21
3.4 Propellers	23
3.5 Smart Flight Battery	24
3.6 Camera Overview	27

<b>4. Remote Controller</b>	29
4.1 Introduction	29
4.2 Remote Controller Instructions	29
4.3 Communication Range	32
4.4 Remote Controller Pairing	33
<b>5. Veeniix Mini App</b>	34
5.1 Home Screen	34
5.2 Control Interface	35
5.3 Parameter	38
5.4 Track	39
5.5 Other	40
<b>6 Flight</b>	41
6.1 Flight Environment Requirements	41
6.2 Connect the Data Cable	42
6.3 Compass Calibration	44
6.4 Gyroscope Calibration	46
6.5 Starting/Stopping the Motor	47
6.6 One-key Takeoff/Landing	48
6.7 Return to Home (RTH)	50
6.8 Smart Flight (Route Planning, GPS Follow, Fly Around, Cruise Control )	54
6.9 Basic Flight	60
<b>7. Appendix</b>	61
7.1 Specifications & Parameters	61
7.2 Common Problems and Solutions	64

## 1. Product List



Drone



Remote Controller



Smart Flight Battery



Camera Cover



Spare Propeller



Charging Cable



Screwdriver/Screw



User Manual



Quick Start Guide



Type-C to Micro-USB cable



Type-C to Type-C cable



Type-C to Lightning cable

## 2. Requirements of Flight Environment

### • Flight Safety.



Sunny



Windless

Strong GPS  
SignalMaintain Line  
of SightFly Below  
390ft

- It is recommended to fly in an open space with a radius of at least 33 feet and no obstacles. High-voltage power lines and communication towers can interfere with control signals; avoid flying near these areas.
- Do not fly over or near crowds. Avoid flying in extreme weather conditions such as high or low temperatures, or during thunderstorms and heavy rain.



Obstacles

Voltage power  
lines

Crowds



High temperature



Low temperature



Lightning



Snow



Rain



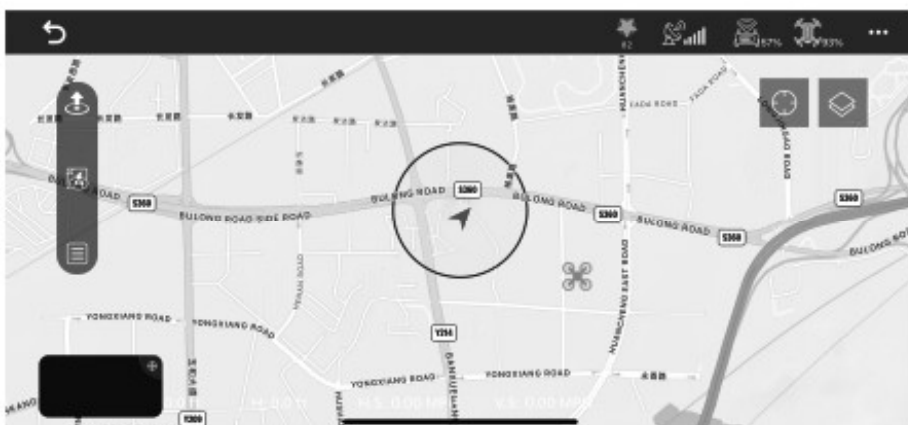
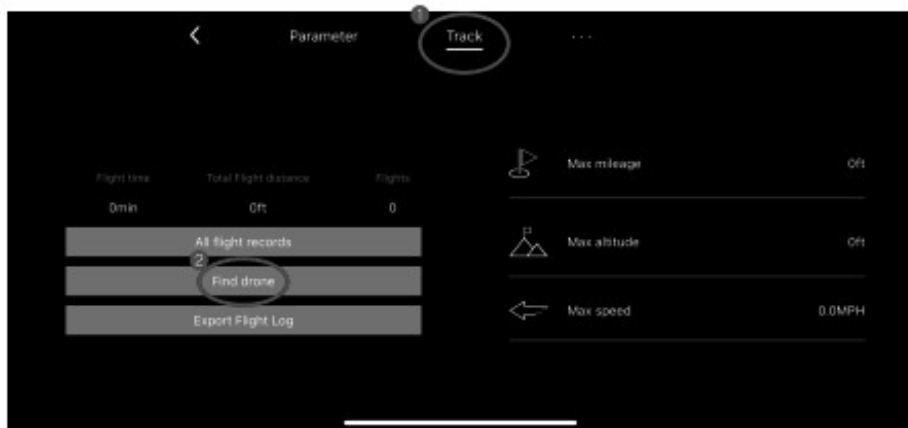
Fog









Windy



### 3. Fine Drone

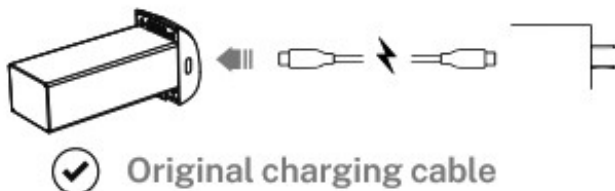


- You can click "Track" and then "Fine drone" in the app settings to view the location of the last time your phone connected to the drone.
- Note: The phone needs to be connected to the Internet to cache map data.

 My Location	 Drone Location
 Tap to switch between  and 	 Tap to switch three layers of map

## 4. Flight Battery Safety Guidelines

- Do not use low-quality charging adapters or cables, otherwise, the battery may be damaged, reduce performance, or cause a fire.
- It is forbidden to overcharge the Battery, please remove the charging cable in time after fully charged to avoid damage due to overcharging.
- It is strictly forbidden to use batteries or charging cables that are not officially provided by Veeniix. We are not responsible for any damage caused by charging cables that are not from Veeniix.
- DO NOT charge the battery immediately after flight as the temperature may be too high. Wait until it cools down to room temperature before charging again. Slight heating during flight is normal due to the battery current output.
- Please use the USB cable provided in the package for charging. Support PD, QC3.0 plug. It is prohibited to use a dedicated power supply exceeding 12V to charge the battery.





#### 4.1 Battery Safety and Maintenance Precautions

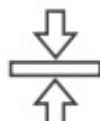
- Keep the product in a cool environment, avoid high temperatures, exposure to the sun, water suction, pressing, and descent from high altitude. Do not place the battery in a high temperature, humid, fire, and direct sunlight environment.



⊗ Liquid



⊗ Sun Exposure



⊗ Severely Squeezed

- It is recommended to charge and discharge the battery once a month, do not store it fully charged, keep 50%-60% of the electricity, and store it in a dry and cool environment.



✓ Dry & Cool



✓ 50%-60% electricity

- Remove the charger after the battery is fully charged.
- Fully charge the battery at least once per month to keep it healthy.
- It is forbidden to disassemble or pierce the battery with sharp objects in any way, otherwise, battery leakage will cause fire or even explosion.
- Do not touch the electrolyte in the damaged battery, otherwise it might harm your skin or eyes.
- Store the battery in a dry and ventilated place.
- Keep the battery out of the reach of children and animals.

## 5. Disclaimer and Warning

- This product is NOT a toy and is NOT suitable for individuals under the age of 14. Keep the drone out of reach of children and exercise caution when operating it around them.
- This product is a flying camera designed for easy flight when properly maintained. Read all accompanying materials before using the drone for the first time. These documents are included in the product package. It is recommended to operate the drone in GPS mode in an open outdoor area to familiarize yourself with its controls.
- Improper use of this product could result in personal injury or property damage.
- The information in this document affects your safety and your legal rights and responsibilities. Read this entire document carefully to ensure proper configuration before use. Failure to read and follow the instructions and warnings in this document may result in product loss, serious injury to you, or damage to your aircraft.
- By using this product, you hereby signify that you have read this disclaimer carefully and that you understand and agree to abide by the terms and conditions herein. Please be sure to strictly abide by the specification requirements and safety guidelines stated in this document.
- You agree to use this product only for purposes that are proper and in accordance with local regulations, terms and all applicable policies, and guidelines Veenix may make available.
- Any personal injury property damage, legal disputes, and all other adverse events caused by the violation of the safety instructions or due to any other factors, WILL NOT be Veenix's responsibility.
- Veenix reserves the right to update this disclaimer and safety guidelines.

## 6. Flight Operation Guidelines

### 6.1 Pre-Flight Checklist

- Ensure that the remote controller, smart flight battery, and mobile device have sufficient power.
- Make sure the aircraft's arms are fully extended.
- Ensure the battery compartment cover is securely fastened and the smart flight battery is properly installed.
- Check that the propellers are not damaged, worn, or deformed, and that there are no foreign objects tangled in them. Ensure they are securely installed.
- Make sure GPS is enabled to avoid losing signal, and fly outdoors in an open area.
- Ensure your phone is properly connected to the controller. Pull out the phone holder, then insert the cable into the Type-C port at the top of the controller for data connection. Do not use the charging port on the side for data connecting, as this will prevent image transmission.
- After powering on, verify that all four motors start normally and that their speeds are consistent.
- Ensure the camera is clean.
- If replacing parts, always use original manufacturer components. Using non-original parts can pose a risk to the safe operation of the aircraft. For details on supported accessories, refer to the accessories support page in the appendix of the user manual.

## 6.2 Operation Safety Guidelines

- (1) Please unfold the arms of the aircraft and turn on the power before flying.
- (2) Please pay attention to the direction of the aircraft when flying. The camera direction is the forward of the aircraft.
- (3) Do not answer calls, or text messages, or do anything that may distract you from operating your mobile phone to control the aircraft during the flight.
- (4) Make sure that you are not under the influence of alcohol, drugs, or anesthesia, nor are you experiencing dizziness, fatigue, nausea, or any other conditions, which may impair your ability to operate the aircraft safely.
- (5) It is important to set the proper RTH altitude before each flight. Make sure your phone is properly connected to the remote controller data and that permissions are turned on and connected successfully.
- (6) Make sure to fly outdoors in an environment with strong GPS signals.
- (7) As long as the aircraft has a sufficient GPS signal, it cannot switch to Attitude Mode. If the aircraft has not completed the GPS signal search, you can switch to Attitude Mode by pressing and holding the compass button on the remote controller.
- (8) After turning off the GPS, the one-button return to home, low power return, GPS follow, surround mode, route planning, and aircraft finding functions are unavailable. Flight may become unstable, requiring users to have certain operational skills and proficiency.
- (9) Do the compass and gyroscope calibration before each flight, otherwise, the aircraft may not work properly.
- (10) Pay attention to control the aircraft at all times during the flight. Do not just rely on the Veeniix Mini APP.
- (11) GPS flight assistance features and App are only used to assist the pilot and cannot replace the pilot in controlling the aircraft. Please pay attention to the flight and operate the aircraft carefully to avoid hitting obstacles when returning.

# 1. Reading Tips

## 1.1 Symbol Explanation

✓ Recommend    ✗ Warning    ⚠ Hints & Tips    📖 Reference

## 1.2 Read Before the First Flight

- Read the following documents before using the Veeniix V11Air
  1. *User Manual*
  2. *Quick Start Guide*
- It is recommended to watch all tutorial videos on our website and read the *Quick Start Guide* before using for the first time.

## 1.3 Download the Veeniix Mini App

- Please make sure to use Veeniix Mini App during the flight. Scan the QR code to download the latest version of the app.
- Veeniix Mini App supports Android 7.1 or higher, iOS 13.0 or higher.



( For Android )



( For iOS )

## 1.4 Tutorial Videos

- Scan the QR code to watch the tutorial video on YouTube to ensure correct and safe use of the product.

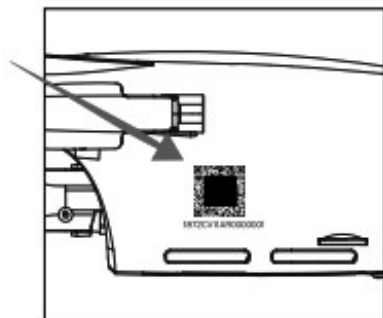


## 1.5 FAA Remote ID Registration Process

### 1.5.1 Find the Serial Number

- The V11Air comes with a built-in FAA Remote ID module. You can obtain the unique Remote ID serial number through the app or on the aircraft itself. Please register according to your local regulations.

① Remote ID serial number on the aircraft.

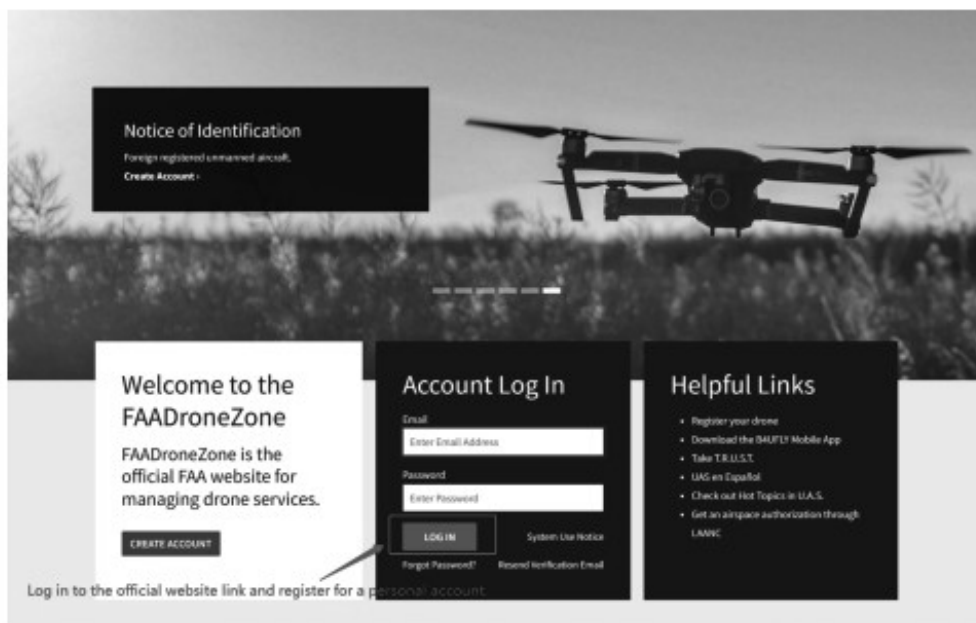


- ② Veeniix Mini App: Successfully pair the aircraft with the remote controller --> Insert the data cable --> enter the "Veeniix Mini" app --> enter CONTROL page --> Click the power icon in the upper right corner --> the RID information will pop.



### 1.5.2 Registration

- ① Please go to FAA website: <https://faadronezone-access.faa.gov/#/>
- ② Please complete and submit the information following these steps.



HOME / FAADroneZone SERVICES

Select Add "Drone Owners and Pilots" item

## FAADroneZone Services

Thank you for registering an FAADroneZone Access account. To proceed, simply add an FAADroneZone Service using the Add a Service option below.

### Drone Owners and Pilots

Drone Owners and Pilots who need to complete the following tasks:

- Registration
- Italers
- Airspace Authorizations

Not sure which rules to follow? We can help you >

LAUNCH DRONE OWNERS AND PILOTS DASHBOARD

+ Add a Service

PART 107 DASHBOARD

## Part 107 Dashboard

### Inventory

1  
Total Devices

1 Active Device

MANAGE DEVICE INVENTORY

### Part 107 Users

1  
Total Users

1 Active User

MANAGE USER ACCOUNTS

An official website of the United States government [Here's how you know.](#)

United States Department of Transportation



**Federal Aviation  
Administration**  
FAADroneZone

Part 107 Add Account Type

Contact Hi, Jing Log Out

PART 107 DASHBOARD / INVENTORY

## Your Shopping Cart

Part 107 operators must add manufacturer and model information for all UAS that they own and operate. For standard remote identification UAS and broadcast modules, you'll also be required to provide the serial number. Each broadcast module serial number may only be associated with a single, specific UAS and may not be listed on more than one registration.

**ADD DEVICE**

**FAA Notice**

Your cart is empty.



X

## Add Device

\* Indicates a required field or that a selection is required.

DOES YOUR DRONE BROADCAST **FAA REMOTE ID** INFORMATION?\*

☒ YES ☐ NO

*Not sure? Contact your UAS manufacturer or see if your drone is listed here: <https://uasdoc.faa.gov/listDocs>*

UAS TYPE\* Standard Remote ID

NICKNAME Enter a Nickname

UAS MANUFACTURER\* Veenix

UAS MODEL\* V11Air

REMOTE ID SERIAL NUMBER\* 1872CV11AR0000001

*Not sure if you have a Remote ID Serial Number? Contact your Manufacturer.*

CANCEL

ADD DEVICE

An official website of the United States government [Here's how you know](#)

United States Department of Transportation



**Federal Aviation  
Administration**  
FAADroneZone

Contact Hi, Jing \$5.00 Log Out

Part 107 Add Account Type

PART 107 DASHBOARD / INVENTORY

### Your Shopping Cart

ADD DEVICE

Part 107 operators must add manufacturer and model information for all UAS that they own and operate. For standard remote identification UAS and broadcast modules, you'll also be required to provide the serial number. Each broadcast module serial number may only be associated with a single, specific UAS and may not be listed on more than one registration.

Filter by: Cart

NICKNAME	UAS MANUFACTURER	UAS MODEL	REMOTE ID	DEVICE TYPE	ADDED BY	AMOUNT	ACTIONS
		V11Air 1872CV11AR0000001					
	Iluko	F11GM2 1809CGM2000000001	Yes	Standard Remote ID	Jing Lian	\$5.00	
Select "CHECKOUT" and fill in your personal information to make a payment of \$5						TOTAL:	\$5.00

CHECKOUT



PART 107 DASHBOARD / INVENTORY / REGISTER

1. Operational Requirements

2. Payment

3. Review &amp; Pay

4. Confirmation

## Payment Information

\* Indicates a required field.

## Credit Card Info

Complete the above steps

CARD NUMBER\* Enter Card Number

CVC/CVV\* Enter CVC/CVV

EXPIRATION\* MM / YY

## Billing Address

☐ Use Mailing Address

FIRST NAME\* Jing

LAST NAME\* Lian

COUNTRY\* United States

ADDRESS\* Enter Street Address

ADDRESS Enter Apartment, Suite, or Unit

CITY\* Enter City

STATE / PROVINCE / REGION\* Select a State

ZIP\* Enter Zip

## MARK YOUR AIRCRAFT!

- When you register, you will receive a unique registration number valid for 3 years. After 3 years, you must renew your aircraft registration.
- You must mark each aircraft with the assigned unique registration number before it is operated.

BACK

NEXT

## Small UAS Certificate of Registration

Registered Owner: JingYuLian

UAS Manufacturer: Veenlix

UAS Model: V11Air

Serial Number: 1872CV11AR0000001

Registration Number: FA3KTPA3H3

Issued: 07/06/2023

Expires: 07/06/2026



This Small UAS Certificate of Registration **is not an authorization to conduct flight operations** with an unmanned aircraft. Operations must be conducted in accordance with applicable FAA requirements. The operator of the aircraft is responsible for knowing and understanding what those requirements are. For more information on flying requirements, please visit the FAA website at [www.faa.gov/uas](http://www.faa.gov/uas).

For U.S. citizens, permanent residents, and certain non-citizen U.S. corporations, this document constitutes a Certificate of Registration. For all others, this document represents a recognition of ownership.

Operators of unmanned aircraft must ensure they comply with the appropriate safety authority from the FAA and economic authority from the DOT.

- The aircraft will start broadcasting the FAA remote ID signal when the aircraft's motors begin to spin.

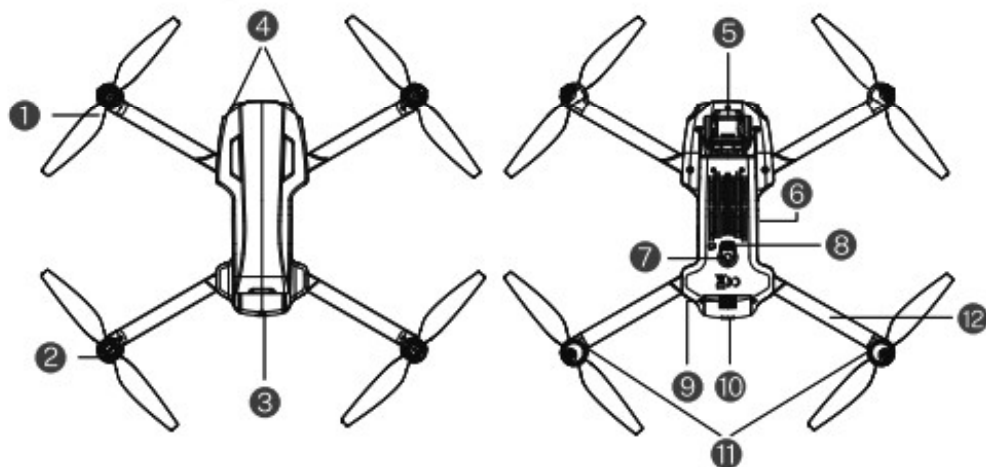
## 2 Product Profile

### 2.1 Introduction

- The Veeniix V11Air features a foldable design and weighs about 357g. It offers stable hovering and flying capabilities outdoors with impressive shooting performance. Equipped with upgraded 5.8GHz Wi-Fi FPV real-time transmission, it includes a 75° FOV lens and a 90° adjustable camera. The camera captures 4K HD video and 6K UHD photos, providing a wide view to capture your moments. The advanced flight-control system ensures agile, stable, and safe flying. With auto RTH, the aircraft will automatically return to its starting point and land if it loses signal or the battery is low. Please use the product in accordance with local laws and regulations.

### 2.2 Diagram

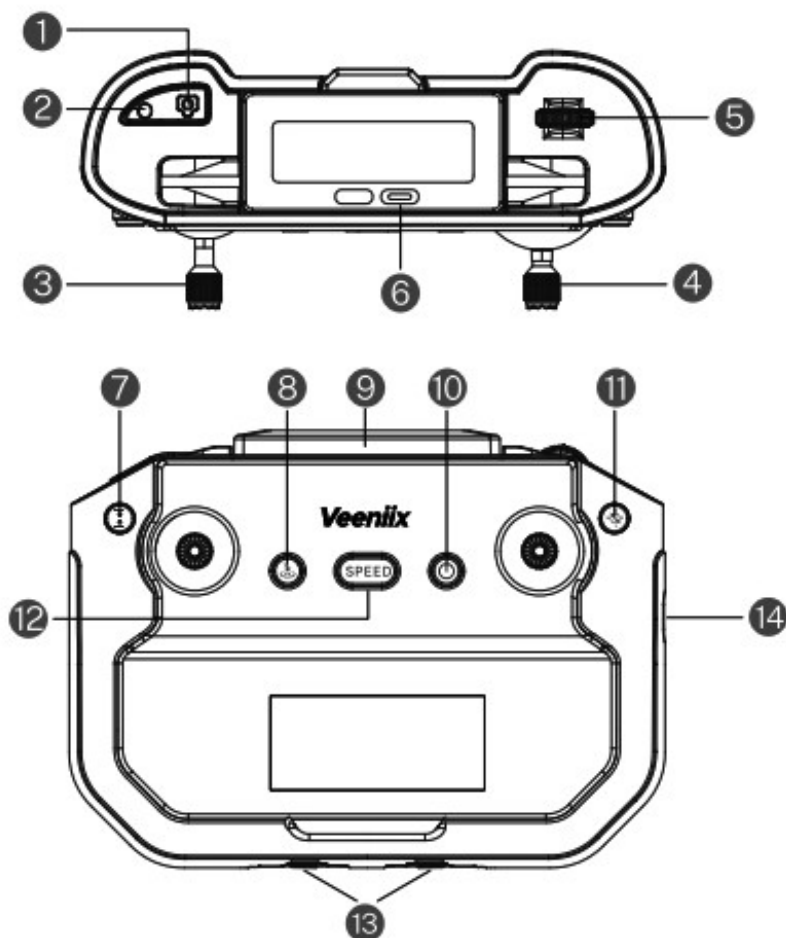
#### 2.2.1 Aircraft Diagram



- ① Propeller
- ② Motor
- ③ Smart Flight Battery
- ④ LED Light
- ⑤ 3-Axis Brushless Gimbal Camera
- ⑥ SD Card Slot

- ⑦ Optical Flow Sensor
- ⑧ Infrared TOF Sensor
- ⑨ Battery Buckle
- ⑩ Power Button
- ⑪ Aircraft Status Indicator Light
- ⑫ Arm

## 2.2.2 Remote Controller Diagram



### 1 Shutter Button

Short press once to take a picture.

### 2 Record Button

(1) Record: Short press it to start/stop recording.

(2) Switch to Japanese stick mode: Hold down the recording button and then power on the remote controller (Short-press it then long-press the power button).

### 3 Left Joystick

(American stick mode) Throttle stick, used to adjust the aircraft's altitude and control the direction of the front of the aircraft. For more details, please refer to section 4.2.5.

### 4 Right Joystick:

Directional stick, used to control the aircraft's flight direction (forward/backward/left/right). For more details, please refer to section 4.2.5.

**5 Gimbal Gear**

Adjust the Gimbal Camera Angle.

**6 Type-C Port for Connecting**

Pull out the phone holder to access the Type-C port, then connect the cable to the controller and your phone. The phone will then display the image.

**7 One-key Takeoff/ Landing and Cruise Control Button**

(1)One-key Takeoff: After unlocking the motor, long press it and the aircraft will automatically take off to a height of about 1.5 meters.  
 (2)One-key Landing: Long press it while the aircraft is flying and the aircraft will descend to the ground at the existing coordinates.  
 (3)Cruise Control: Press this button while operating the joysticks to activate the Cruise Control.

**8 Smart RTH Button**

(1)Press it to initiate automatic Return-to-Home (RTH), where the aircraft will return to its takeoff location and land. (There may be a deviation of up to 3 meters from the takeoff position, depending on GPS signal strength at takeoff.)  
 (2)To cancel the RTH process, press the button again during the return.

**9 Mobile Phone Holder**

Flip up to open the holder for placing the mobile phone. The width of the phone holder is adjustable. The maximum adjustable width is suitable for a 6.7-inch phone.

**10 Power Button**

(1)Turn on the remote controller: Short-press it then long-press it  
 (2)Turn off the remote controller: Long-press it  
 (3)Check the power level: Short-press it once

**11 Compass Calibration Button**

(1)Enter compass calibration: Short press it  
 (2) GPS mode/ Attitude mode:  
 ① If GPS signal is not found, press and hold the button for 3 seconds to turn off GPS and switch the aircraft to Attitude Mode.  
 ② When the aircraft is in Attitude Mode, press and hold the button for 3 seconds to turn on GPS and switch to GPS Mode.  
 ⚠ (GPS is turn on by default when powering on, please do not turn it off when flying outdoors to avoid losing the aircraft). (Once GPS signal is acquired, you cannot switch back to Attitude Mode.)

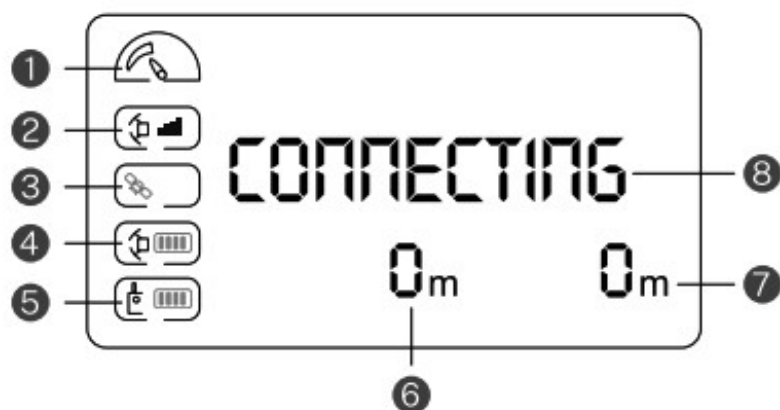
**12 SPEED Button**

Press down for speed adjustment, (2 speeds in total) default is stable mode, accelerate is sport mode.

**13 Sticks Storage Hole****14 Type-C Port for Charging**

This Type-C port on the side of the remote controller is for charging only, not for data connection. Connecting the data cable here by mistake will result in a loss of video transmission. The correct data connection port is ⑥.

## 2.2.3 Remote Controller Display



① Speed

② Aircraft Connection Signal

③ GPS Signal

④ Aircraft Power

⑤ Remote Controller Power

⑥ Flight Distance

⑦ Flight Height

⑧ Status Display

## 3. Aircraft

- V11Air aircraft consists of a flight control system, a communication system, an image system, a power system and a smart flight battery.

### 3.1 Speed Mode











- V11Air has two speed modes, Stable Mode and Sport Mode. After the aircraft is turned on, the stable speed mode is turned on by default. You can switch by pressing the SPEED button on the remote controller. The stable mode speed is 6m/s and the sport mode speed is 8m/s.



- When wind speed is high, sport mode should be maintained to improve wind resistance effect.
- When flying in sport mode, the pilot should reserve at least 3 meters of braking distance to ensure flight safety.
- When flying in sport mode, the power of the aircraft will be greatly improved, and the small manipulations of the joysticks on the remote controller can result in large flight maneuvers of the aircraft. Please reserve enough flying space to ensure the safety of the flight.

## 3.2 Aircraft Status Indicator

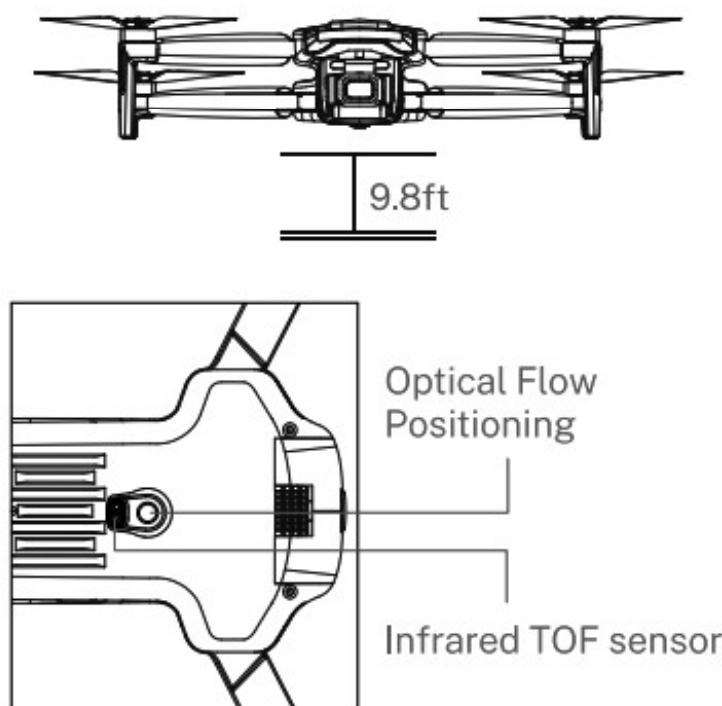
- The V11Air status indicator light is located above the front landing gear and is used to display the current status of the flight. Please refer to the table below to understand what each flashing pattern indicates.

Blinking status of the indicator		Conditions
	Indicator is in solid yellow	Optical flow positioning
	Indicator is in solid green	GPS mode (GPS signal search completed)
	Indicator off for 1 second	Taking pictures
	Indicator flashes twice at intervals in yellow	Recording Video
	Indicator flashes slowly in yellow	Frequency Calibration in Progress
	Indicator flashes slowly in red	Low battery
		The aircraft was not placed on a level surface after pairing
	Indicator flashes quickly in yellow	Enter compass calibration
	Indicator flashes quickly in green	Weak GPS signal
	Indicator is in solid red	During Return to Home
		Searching for GPS signal
	Indicator flashes quickly for 2 seconds in yellow	Enter gyroscopes calibration



### 3.3 TOF, Optical Flow Positioning

- The V11Air is equipped with advanced infrared TOF (Time of Flight) sensing and a downward Optical Flow Positioning system, enhancing adaptability across various environments:
- **Infrared TOF Sensor:** This technology ensures precise distance measurement, providing stable low-altitude flight and smooth landings.
- **Optical Flow Positioning:** Using downward vision cameras and sensors, this system enables the drone to hover steadily at low altitudes, especially indoors. This feature activates only in altitude mode (indoor mode).

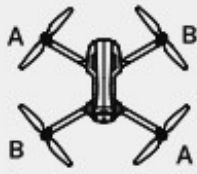




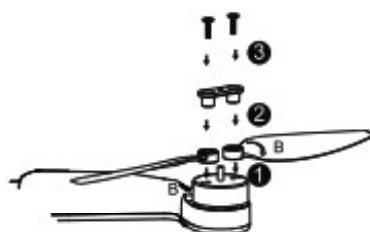
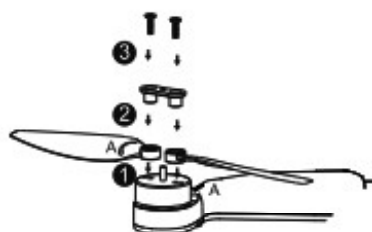


- Optical flow positioning can only assist flight in environments with sufficient lighting and textured surfaces. It cannot fully replace user judgment, so please pay attention to the aircraft's status and the APP prompts. Do not overly rely on the optical flow positioning.
- Optical flow positioning may perform poorly or fail in environments that are too bright, too dark, mirror-like, smooth single-colored surfaces, water surfaces, reflective surfaces, or sparsely textured surfaces.
- The optimal working range for optical flow positioning is between 1.64ft (0.5m) to 9.84ft (3m). Beyond this range, the performance of the downward optical flow vision system may be less effective, so please fly with caution.
- Ensure that the lens of the optical flow vision system is clean, and avoid blocking or interfering with it.
- Optical flow positioning can only be used in attitude mode. When the aircraft successfully acquires a GPS signal outdoors, it will automatically switch to GPS positioning mode.
- The TOF effectively at distances below 16.4ft (5m). However, it may not work properly over water surfaces or highly complex terrain.

### 3.4 Propellers

- The propellers on the adjacent motors of the V11Air are forward and reverse propellers. The two propellers on the same motor are the same, and the propellers are marked A and B respectively.

Propellers	Mark A	Mark B
		
Installation location	Installed to the motor with A mark on the arm	Installed to the motor with B mark on the arm



#### Install the propellers

- Taking the camera direction as the front, the left front arm and right rear arm must be installed with propellers marked with A; the right front arm and left rear arm must be installed with propellers marked with B. Use a screwdriver to install and make sure the screws are tightened.

#### Detach the Propellers

- Use the screwdriver to detach the propellers from the motors.



- Please use the propellers provided by Veenix, and do not mix propellers of different types.
- Please check whether the propeller is installed correctly and tightly before each flight.
- Please check to make sure that the propellers are in good condition before each flight.

## 3.5 Smart Flight Battery

- The V11Air smart flight battery has a capacity of 3200mAh, a rated voltage of 7.7V, and includes charge/discharge management features. This battery uses high-energy, large-capacity cells to provide strong support for the aircraft's flight time.

### 3.5.1 Battery Features

<b>Balance Protection</b>	Automatically balance the internal battery cell voltage to protect the battery.
<b>Overcharge Protection</b>	It can prevent the battery from being overcharged and causing serious damage to the battery. When the battery is fully charged, remove the charger device in time.
<b>Over-discharge Protection</b>	It can avoid damaging the battery due to over-discharge.
<b>Short Circuit Protection</b>	When the battery detects a short circuit, the output will be cut off to protect the battery.

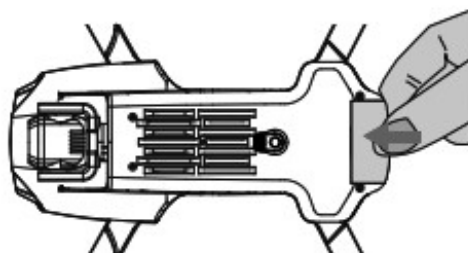


- Please read carefully and strictly abide by Veenix's Requirements in this User Manual, Flight Guide & Safety Disclaimer, and stickers on the battery surface before using the battery. The user shall bear the consequences caused by failure to use it as required.

### 3.5.2 Install / Remove the Battery

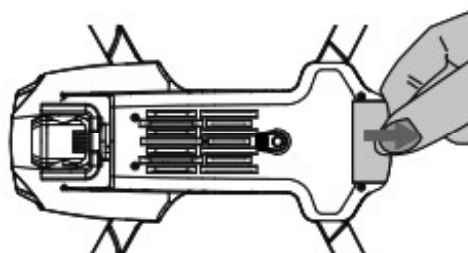
#### • Install

Insert the smart flight battery into the battery compartment and push it down until you hear a "click" from the battery buckle, indicating that it pops up and locks. Make sure the battery is in place.



#### • Remove

To remove the battery, press the buckle on the bottom of the battery and pull the battery out of the compartment.



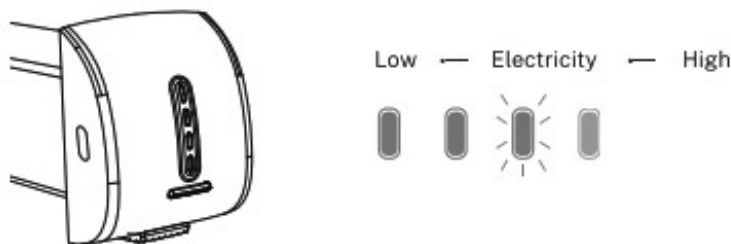
- Do not install the battery into the aircraft or remove the battery from the aircraft when the battery power is turned on. Otherwise, the poor contact of the battery interface during the operation may cause the battery to short-circuit and burn the aircraft.
- The battery must be installed or removed with the battery power turned off.

### 3.5.3 Powering On/Off

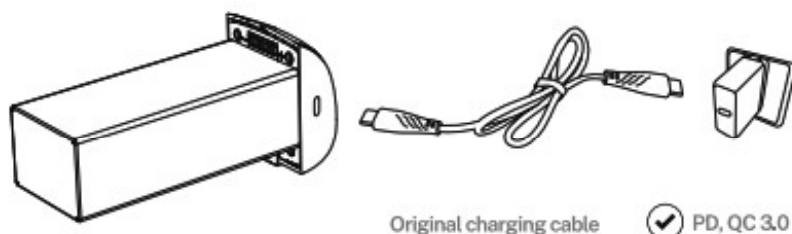
- Long press the power button to power on or off.

### 3.5.4 Checking Battery Level

- Long press the power button until all four bars of the indicator light up, then release the power button. After powering on, the power indicator shows the current battery level.



### 3.5.5 Charging the Battery



- Before using the smart flight battery, be sure to fully charge it.
- In the charging state, the battery power indicator will flash and indicate the current charge level. When the fourth indicator light is always on, it indicates that the charging is complete.
- After charging is complete, please remove the charger in time.
- Charging time: 2.5 hours (using the Type-C fast charging cable that comes with the package).

## 3.6 Camera Overview

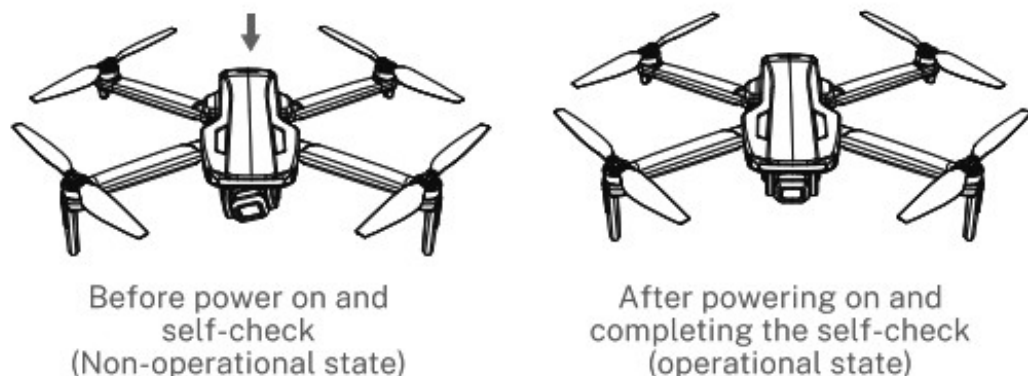
- The camera uses an upgraded 5.8GHz Wi-Fi FPV real-time transmission function, equipped with a 120°FOV lens and a 90° adjustable camera as well as 3-axis brushless gimbal, which can stably shoot 4K HD video and 6K ultra-clear images, providing you with a broad field of vision for unforgettable moments.

### 3.6.1 3-Axis Brushless Gimbal

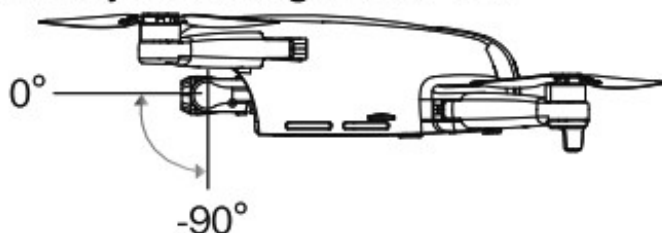
- The V11Air is equipped with a three-axis mechanical stabilization gimbal, with roll, pitch, and yaw axes powered by brushless motors. This ensures stable and smooth image transmission.



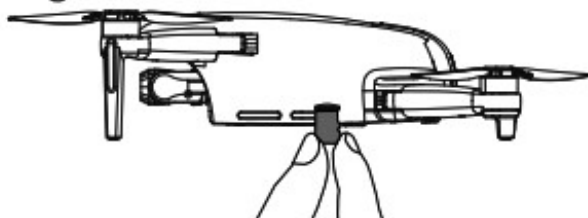
- The gimbal will not function and may appear tilted before it is powered on and completes its self-check. This is normal. Once powered on, the gimbal will automatically perform a self-check, which takes about 20 seconds. After the self-check, the gimbal will stabilize and level itself automatically.



### 3.6.2 The aircraft adjustment angle is $-90^{\circ}$ to $0^{\circ}$



### 3.6.3 Image Storage



- The V11Air is equipped with a micro-SD card slot for expanding storage capacity. (SD card is not included in package)

①Card speed: 10M/s.

②File format: Support FAT32 format.

③Memory capacity: A memory card with a memory capacity of 128G or less.



- Check whether the capacity of the memory card is sufficient. If the capacity of the memory card is insufficient, videos and pictures cannot be stored in the memory card.
- If you cannot save pictures or videos, try formatting the memory card.
- Do not insert or remove the micro SD card after the aircraft is powered on, as this may cause damage to the card or result in data loss.
- After the memory card is installed, the picture and video files will be stored in the memory card, and the pictures and videos will not be stored on the mobile phone.
- After powering on and connecting the aircraft, you can use the app to download photos or videos stored on the aircraft's memory card to your mobile device.



## 4 Remote Controller

### 4.1 Introduction

- V11Air remote controller uses the 5.8 GHz frequency band. The retractable handle can securely hold a phone and supports devices up to 6.7 inches in size.

Remote controller built-in 3600mAh 3.7V capacity battery,

- charging time is 3.5 hours, and the longest working time is about 4 hours.

### 4.2 Remote Controller Instructions

#### 4.2.1 Powering On/ Off

- Powering on: Long press the power button.
- Powering off: Long press the power button.
- Check the remote controller's battery level: Short press the power button.



#### 4.2.2 The Type-C Port

- The remote controller has two Type-C ports:
- One port is located on the right side of the remote controller and is exclusively for charging.
- The other port is on the top (you need to open the phone holder to access it) and is used for data connection. This port connects the remote controller to your phone for image transmission.

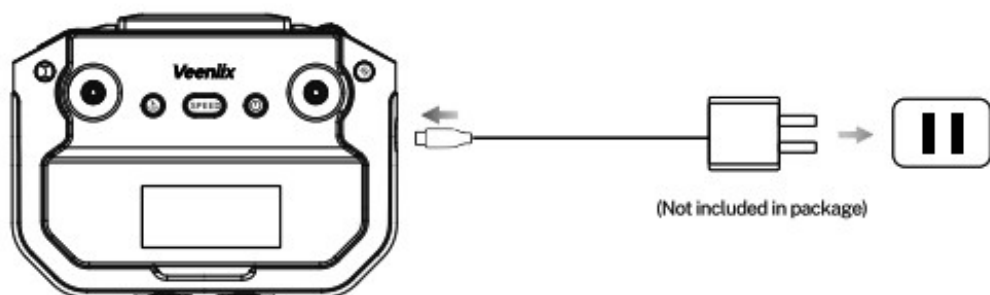




- Important: If you attempt to use the charging port for data connection, the connection will fail, and image transmission will not be available.

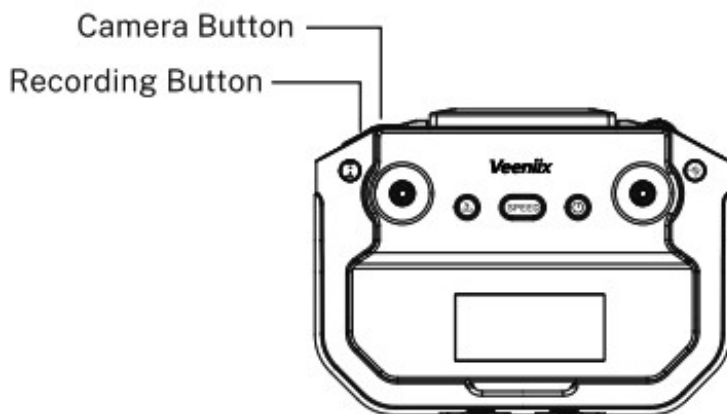
#### 4.2.3 Charging

- Connect the remote controller Type-C port to the charger to charge it.



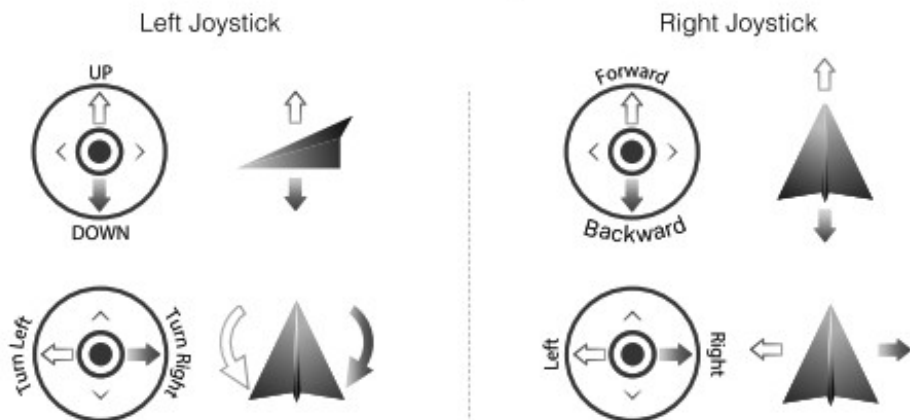
#### 4.2.4 Controlling the Camera

- Record Button: Short press it to start/stop recording.
- Shutter Button: Short press it to take a photo.

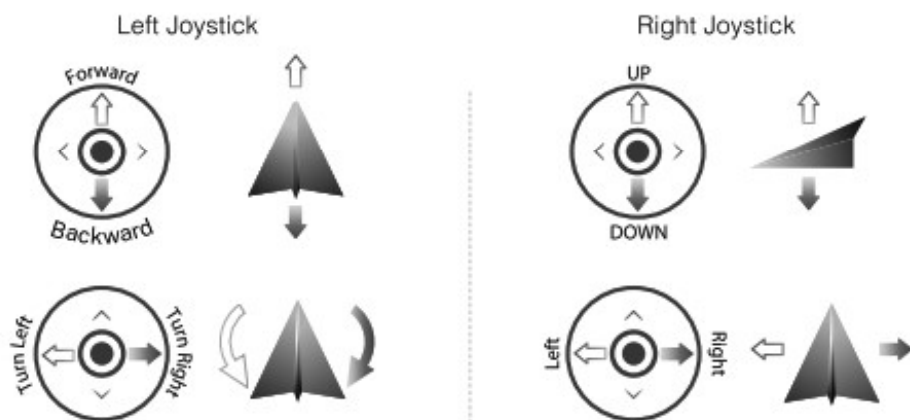


### 4.2.5 American stick mode and Japanese stick mode

- American stick mode for controlling the aircraft is as follows:




- Japanese stick mode for controlling the aircraft is as follows:



### How to Switch

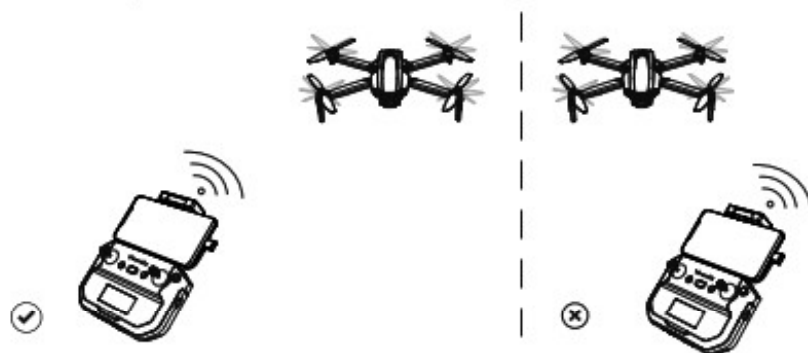
- Press and hold the record button to turn on the remote controller, it will be Japanese stick mode after turning on.

### 4.2.7 Smart RTH Button

- Press the smart RTH button  on the remote controller to activate the automatic return-to-home function. Press it again to exit RTH. The aircraft will hover in place midway through the return journey when you exit, and you can then use the stick to control the aircraft.

## 4.3 Communication Range

- When operating the aircraft, adjust the position and distance between the remote controller and the aircraft as needed. Aim the remote controller directly at the aircraft to ensure it remains within the optimal communication range.



- The remote controller antenna is located in front of the phone mount. During flight, aim the phone mount directly at the aircraft to achieve the strongest signal transmission.
- User can refer to the aircraft flight direction from the Attitude Indicator in the app.

