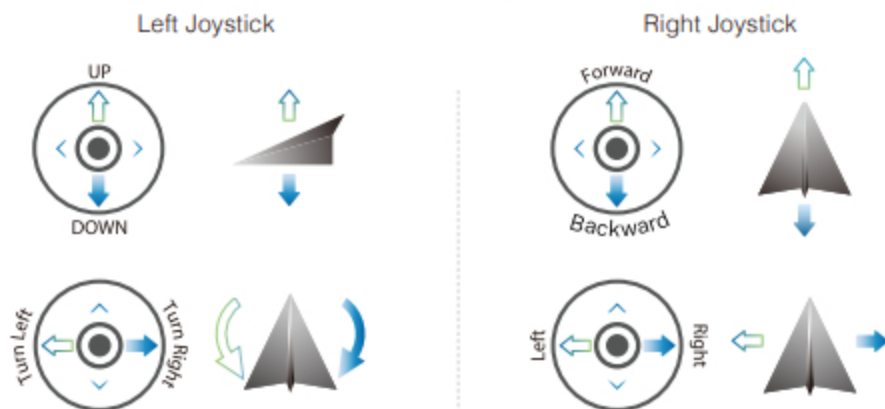
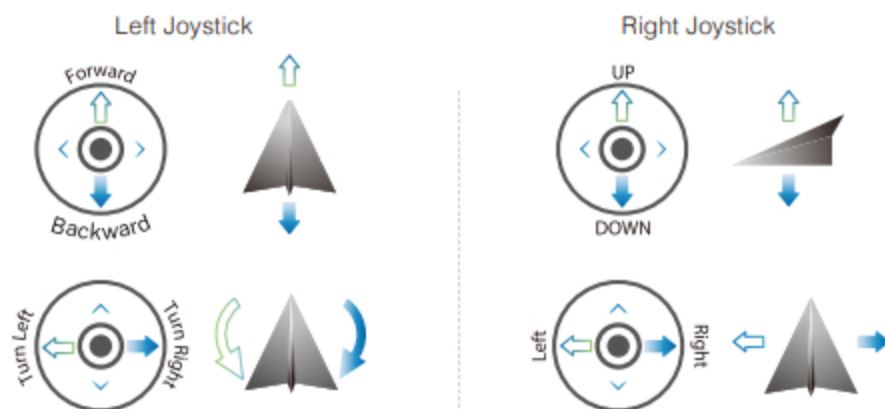


## 4.2.5 American stick mode and Japanese stick mode

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




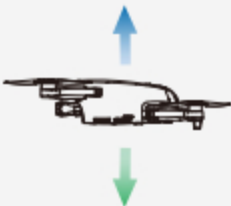






- Japanese stick mode for controlling the aircraft is as follows:



### How to Switch

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


## 4.2.6 Remote Controller Joystick Operation Instructions

Remote Controller (Default American Stick Mode)	Aircraft Direction	Operation Instructions
		<ol style="list-style-type: none"> <li>1. Push the stick upward to make the aircraft ascend.</li> <li>2. Pull the stick downward to make the aircraft descend.</li> <li>3. When the stick is released and returns to the center position, the aircraft will hover. (When taking off, the left stick must be pushed upward to lift the aircraft off the ground. Push the stick slowly to prevent the aircraft from suddenly ascending too rapidly.)</li> </ol>
		<ol style="list-style-type: none"> <li>1. Push the stick to the left, and the aircraft will rotate counterclockwise.</li> <li>2. Push the stick to the right, and the aircraft will rotate clockwise.</li> <li>3. The amount you push the stick controls the rotation speed of the aircraft. The further you push the stick, the faster the rotation.</li> </ol>
		<ol style="list-style-type: none"> <li>1. Push the stick up to make the aircraft fly forward.</li> <li>2. Push the stick down to make the aircraft fly backward.</li> <li>3. When the stick is in the neutral position, the aircraft's forward and backward direction remains level.</li> <li>4. When the aircraft moves forward or backward, the body will tilt forward or backward.</li> <li>5. The amount you push the stick controls the flight speed; the greater the push, the larger the tilt angle and the faster the flight.</li> </ol>
		<ol style="list-style-type: none"> <li>1. Push the stick left to make the aircraft fly to the left.</li> <li>2. Push the stick right to make the aircraft fly to the right.</li> <li>3. When the stick is in the neutral position, the aircraft's left and right direction remains level.</li> <li>4. When the aircraft flies left or right, the body will tilt in the corresponding direction. The amount you push the stick controls the flight speed; the greater the push, the larger the tilt angle and the faster the flight.</li> </ol>



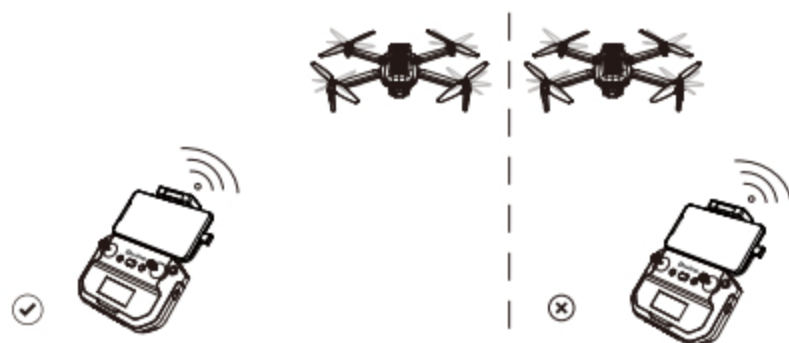
• The forward direction of the aircraft is based on the direction of the nose.

## 4.2.7 Smart RTH Button

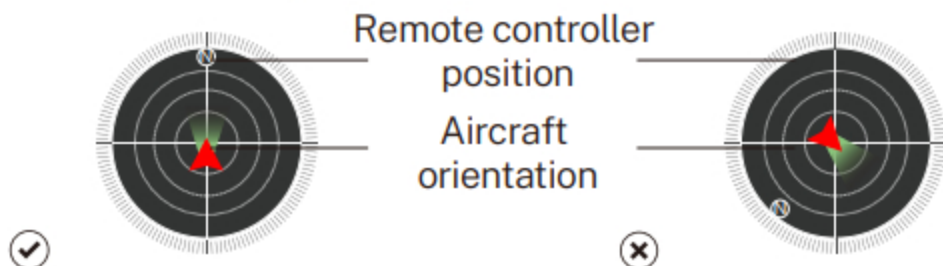
- Press the smart RTH button  on the remote controller to activate the automatic return-to-home function. Press it again to exit RTH. The aircraft will hover in place midway through the return journey when you exit, and you can then use the stick to control the aircraft.

## 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.



## 4.4 Remote Controller Pairing

- Before each flight, you need to pair the aircraft with the remote controller. Pairing takes about 20 seconds, and you can only operate the aircraft once pairing is successful. Follow these steps to pair:
  - (1) Turn on the aircraft.
  - (2) Turn on the remote controller.
  - (3) The aircraft and remote controller will pair automatically. During pairing, the remote controller will emit a 'beep-beep' sound. Pairing is complete when the sound stops.



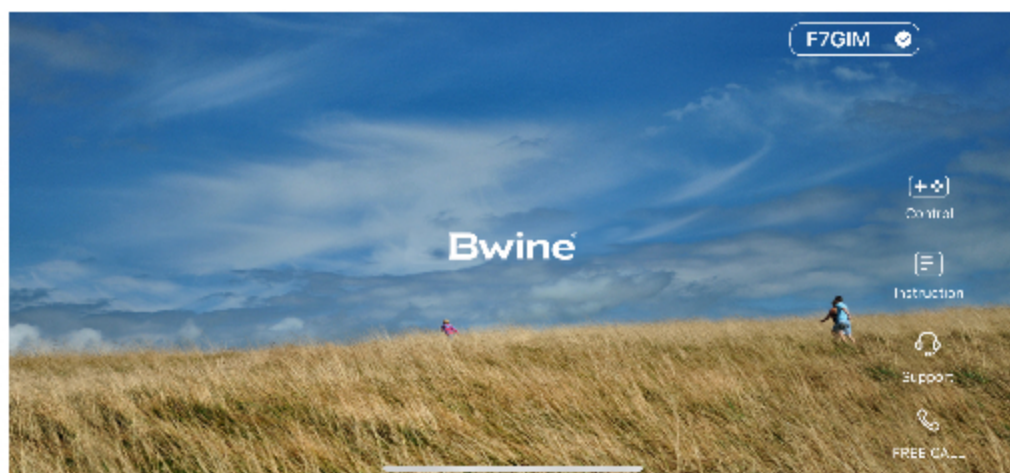
- Once pairing is successful, the aircraft's LED light will change from blinking yellow to a solid red (indicating no GPS signal) or to a solid green (indicating GPS signal acquired).



- Before each flight, check the battery level of the remote controller. The remote controller will emit a warning sound when the battery is low.
- If the remote controller is idle for 10 minutes, it will automatically power off. To resume normal operation, move the joystick or press any button.
- When using the remote controller with a mounted device, make sure the device is securely clamped to prevent it from slipping.
- Store the remote controller with a battery level of around 3.8-3.9V. Charge the battery approximately every month to maintain its health.

## 5 Bwine Mini App

### 5.1 Home Screen



#### Control

- Use the buttons on the app interface to control the aircraft and view the live video feed from the aircraft's camera.

#### Instruction

- Tap to view the User Manual, Flight Guide, and Safety Disclaimer, as well as to access the flight instruction videos.

#### Free call

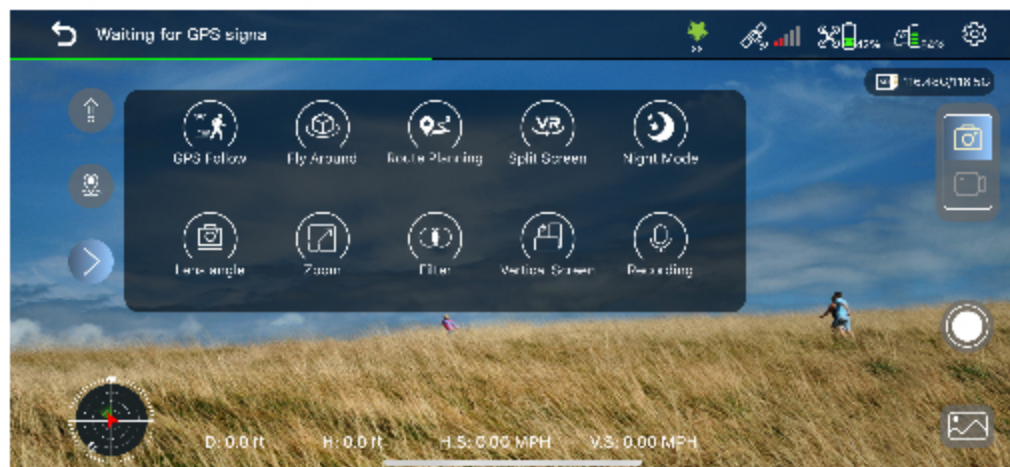
- Tap to Call Bwine Customer Service Support.

#### Support

- Tap to access the support ticket page (warranty and support), where you can send text, photos, or videos to receive technical assistance.



## 5.2 Control Interface



	Back		Shooting Mode
	Compass Interference Value		Shutter/Record Button
	GPS Status		Photo Album
	Aircraft Battery Level/ Remote ID Information		Attitude Indicator
	Controller Battery Level		More Features
	System Settings		RTH
	SD Card		Auto Takeoff/Landing
<div> <p>Flight height</p> <p>Speed of vertical flight</p> <p>Speed of horizontal flight</p> <p>Flight distance</p> </div>			



### Remote controller battery level

- Display the current remote controller battery power, and the power progress bar displays.

### Aircraft status indicator bar

- In flight: Display the flight status of the aircraft and various warning information.



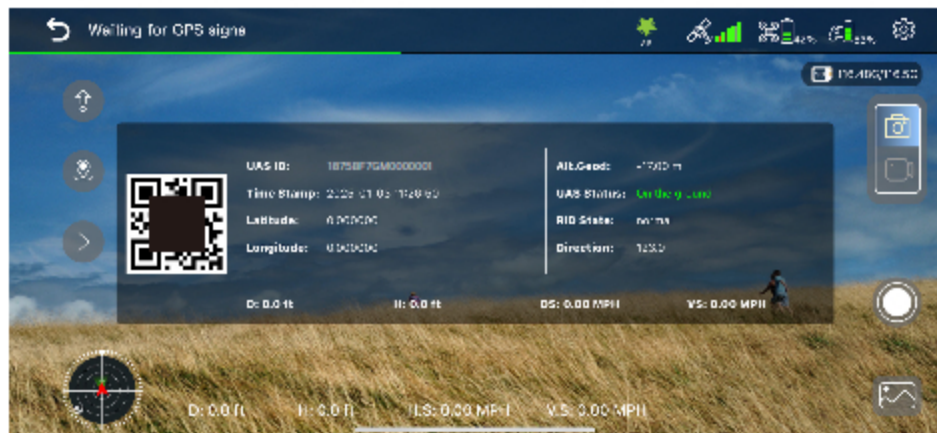
### GPS status

- Used to indicate GPS signal strength: 3 bars mean the GPS signal is strong enough for flight, while 1 or 2 bars indicate a weak GPS signal, requiring a change in takeoff location.



### Aircraft battery level

- Display the current smart flight battery power, and the power progress bar displays.
- Tap the battery icon to view Remote ID information.





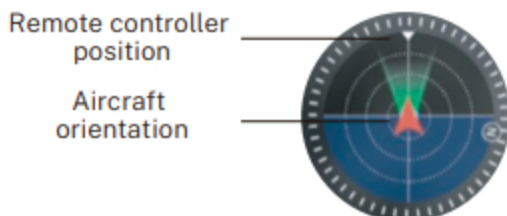
### System settings

- System settings include flight range settings, data logging, unit switching, displaying flight paths, showing notifications, and configuring voice prompts.



### Attitude indicator

- Displays information such as the aircraft's heading, tilt angle, and the positions of the remote controller and home point.



### RTH

- Tap to initiate Smart RTH and have the aircraft return to the last recorded home point and turn off the motors. Tap it again to cancel the return.



### One-key takeoff/landing

- After unlocking the motors, tap this icon to make the aircraft take off automatically; tap it again, and the aircraft will land automatically. You can cancel the descent by push up the throttle stick.



### Back

- Tap to return to the homepage.






## More Features

	<b>GPS Follow</b>	Aircraft will lock onto the user and can track the user's movement as he moves.
	<b>Fly Around</b>	The aircraft fly around in circle with the current position as the center.
	<b>Route Planning</b>	Aircraft flies along the path marked on the App.
	<b>Split Screen</b>	VR split screen interface, used with VR glasses.
	<b>Lens Angle</b>	Adjust the shooting angle of the aircraft camera.
	<b>Recording</b>	When it is turned on, your video will include ambient sound.
	<b>Night Mode</b>	Increase the brightness of the live feed in the app during night flights. It is recommended to enable this feature at night or in low-light conditions.
	<b>Zoom</b>	Optional 5x zoom.
	<b>Filter</b>	Select a filter for your photo or video.
	<b>Vertical Screen</b>	Switch the image to vertical to take photos and videos.

## 5.3 Parameter

- Tap the icon  to enter parameter interface



- **Beginner:** In this mode, the aircraft's farthest flight distance and altitude is 30 meters, so that the aircraft can fly more safely within sight.
- **Flight distance:** Set the longest distance to fly.
- **Flight altitude:** Set the maximum flight altitude.
- **Return altitude:** The default altitude of the aircraft during performing a return flight is 20 meters, and it is recommended to set the altitude higher than the height of the surrounding obstacles.
- **Storage settings:** Option to store video recordings of different resolutions on the SD card.
- **Photo Scale:** Optional picture shoots with different specifications.
- **Auxiliary grid:** Different auxiliary lines can be selected to assist in composing the shot.

## 5.4 Track



- **Flight time:** Total flight time
- **Total Flight distance:** Total flight distance
- **Flights:** Number of flights
- **Max mileage:** The longest single flight distance.
- **Max altitude:** The highest single flight altitude.
- **Max speed:** The fastest single flight speed.
- **All flight records:** Date, location, distance, duration, and maximum altitude for each flight.
- **Find drone:** Shows the last known location when the aircraft lost video transmission. Open the map to locate the position where the aircraft disconnected from the app.
- **Export Flight Log:** Allows you to export flight data.

## 5.5 Other



- **Unit:** Switch between metric and imperial measurement units.
- **Voice prompt:** Turn the app's voice prompts for aircraft status on or off.
- **Drone Information Display:** Shows the UAV Version, Wi-Fi version and APP version.



- Before using the Bwine Mini App, make sure to properly enable the required permissions:
  - (1) Allow Bwine Mini to access your location. Otherwise, features like Follow Me won't function.
  - (2) Correctly set up the options that appear after connecting the data cable to Bwine Mini.
  - (3) Grant permissions for other functions such as photo album access and recording.
- When using the Bwine Mini App on your phone, keep your device running smoothly by closing any unnecessary background apps.
- The maps used in the map interface need to be downloaded from the internet. Before using this feature, connect your mobile device to the internet to cache the map data.
- Please download the correct app, Bwine Mini, to ensure proper operation with the aircraft.