User Manual

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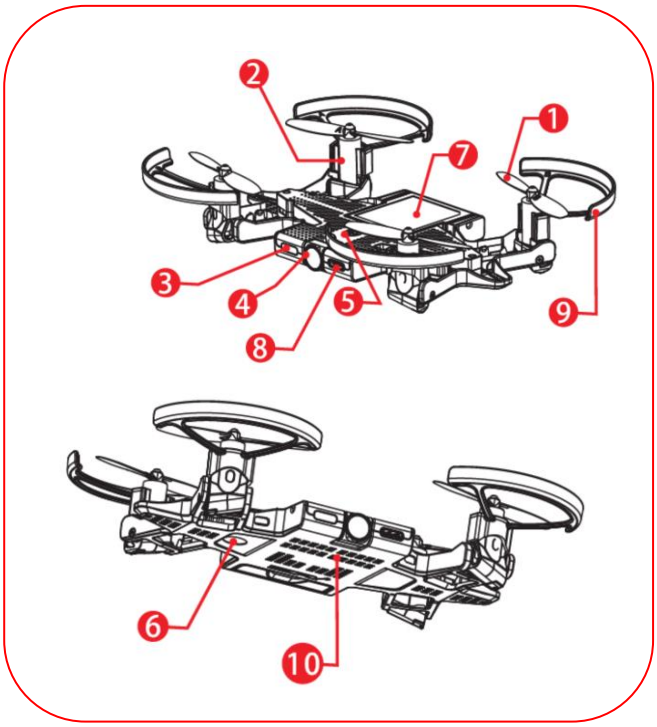
1. About AEE SELFLY



① Propellers (Prop A/B) ② Motors ③ Status LED Indicator ④ Camera

⑤ Power Button ⑥ Optical Flow ⑦ Battery ⑧ Type-C USB Interface

⑨ Prop Guards (Optional. Recommended for 1st flight) ⑩ Wi-Fi LED Indicator

LEDs

Red On = Charging

Red Off = Fully Charged

Constant Blue = Self-Checking

Flashing Blue = Self-Check Finished

Constant Blue=Normal State

Constant Green = Wi-Fi Connected

2. AEE SELFLY APP

AEE SELFLY has its dedicated APP "AEE SELFLY" for controlling it, choosing from different flight modes or downloading photos and videos directly to share on social media at any time.

Download APP

Please scan below QR code to download and install AEE SELFLY on your mobile device according to instructions.

You can search "AEE SELFLY" in APP stores and download it.

Download on the App Store

GET IT ON Google Play

“AEE SELFLY" supports iOS9.0 or above and Android 5.0 or above.

3. Recommended Flying Conditions

Outdoors

- Do not fly outdoors in bad weather such as wind, rain, or snow.
- Do not fly above crowds.

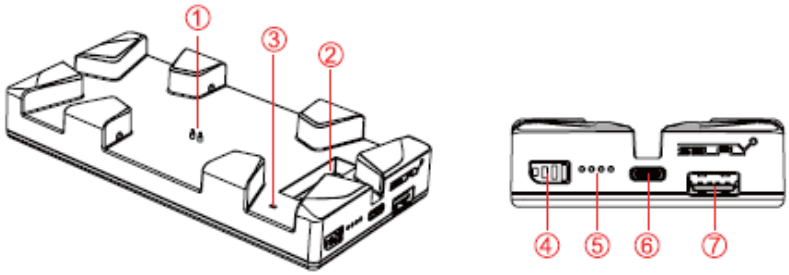
- It is recommended to fly AEE SELFLY whilein sight, away from obstacles to avoid accidental damage.

Indoors

- AEE SELFLY uses a visual positioning system (also called optical flow positioning), which requires the area beneath the optical flow camera to have a certain pattern and not be too monotonic.
- The optical flow camera needs sufficient light to operate efficiently, so flight should be carried out in a well-lit environment, such as normal indoor fluorescent lighting.
- The optimal height for visual positioning is 1.5m~2m, while flying under 0.5m optical flow positioning may not be accurate.

4. Battery & Charging

4.1 Power Bank



① Drone Charging Pins ② Battery Charging Slot

③ Battery Charging LED Indicator ④ Power Button

⑤ Power Capacity LED Indicator ⑥ Input Interface ⑦ Output Interface

Capacity：5000mAh

Charge：5V/2A

Discharge：5V/2A

Charging time：

Charge Power Bank：>3hours

Charge Battery：About 45 minutes

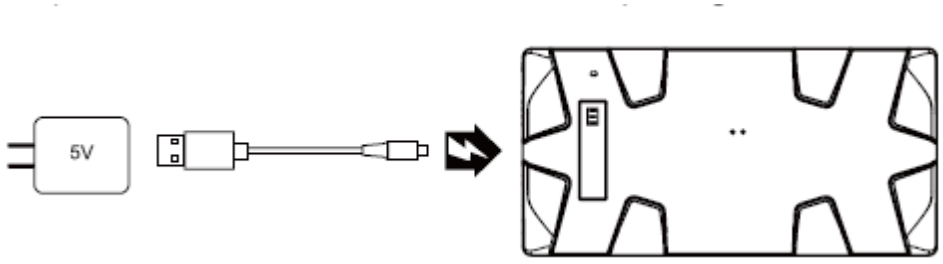
4.2 Power Bank Capacity LED Indicator

Press power button for 1s to check the Power Bank capacity

Blue LEDs indicates the capacity level. (Press power button for 3s to start charging.)

4.2 Charge Power Bank

Insert USB Type C cable micro port into Power Bank and USB2.0 port into an assigned 5V adapter. The four blue LED indicators will display charging status.



Fold AEE SELFLY into Power Bank and press power button for 3s to start charging. Solid red LED of AEE SELFLY means charging and red LED will be off when fully charged.

4.4 Charge AEE SELFLY Battery

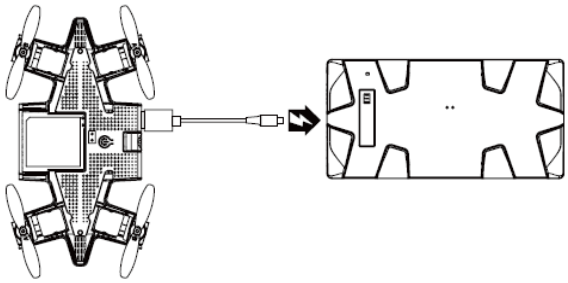
There are two ways to charge AEE SELFLY battery: charge battery directly or use USB cable to charge.

4.4.1 Charge Battery Directly

Insert battery into Power Bank battery charging slot and press power button for 3s to start charging. Solid red LED indicates in charging and red LED off means fully charged.

4.4.2 USB Cable to Charge

Use standard USB cable to connect AEE SELFLY with any other 5V supply, as the Power Bank press the power button for 3s to start charging.



4.5 Caution

- Please make sure Power Bank is fully charged before the first-time use.
- Charge Power Bank with 5V adapter only.
- In the course of charging AEE SELFLY or other electronic devices, Power Bank’s capacity LED indicator is off.

4.6 Safety Requirements

Power Bank uses lithium ion battery.

- Please do not disassemble or reassemble Power Bank.
- Please do not throw Power Bank into water or fire.
- Please do not charge or use Power Bank near fire.
- Please do not use sharp tools to damage Power Bank.
- Please do not use Power Bank on devices of high voltage.
- Please do not use Power Bank if there is any leakage, bad odor or deformation is detected.
- Please do not expose Power Bank in the Sun directly or for a long time.
- Please keep Power Bank away from children's reach.
- Please use recommended adapter and follow instructions to charge Power Bank.

5. First Flight

Please read this manual before first flight. It is recommended to start learning AEE SELFLY indoors, after using AEE SELFLY flight simulator that is part of the APP.

When taking AEE SELFLY out of its docking cases, put 2 fingers on the 2 sides of the front camera and one finger (thumb) on the battery and pull one side out first in a rotational way.

- The message “No internet connection” is normal and does not indicate any problem.
- The flight distance is dictated by the Wi-Fi signal limit that ranges about 10-15 meters, depending upon mobile device.

6. Preflight Checklist

Before you start flying, please check the following items:

① Make sure AEE SELFLY battery is fully charged.

② Make sure motors are fully unfolded (vertically 90°).

③ Make sure propellers and other parts are not loose or damaged. (Damaged propellers will cause unstable flight and shorter flight time.)

④ Make sure optical flow camera and front camera are clean.

⑤ Make sure AEE SELFLY is horizontally placed on a flat surface.

⑥ AEE SELFLY is oriented correctly when the camera is facing you.

⑦ Make sure the height limit and speed are set as you want.

7. Turn On/Off AEE SELFLY

On: Insert battery and press the power button on top for 3s. Blue LED will be turned

on and start to flash, indicating AEE SELFLY is on.

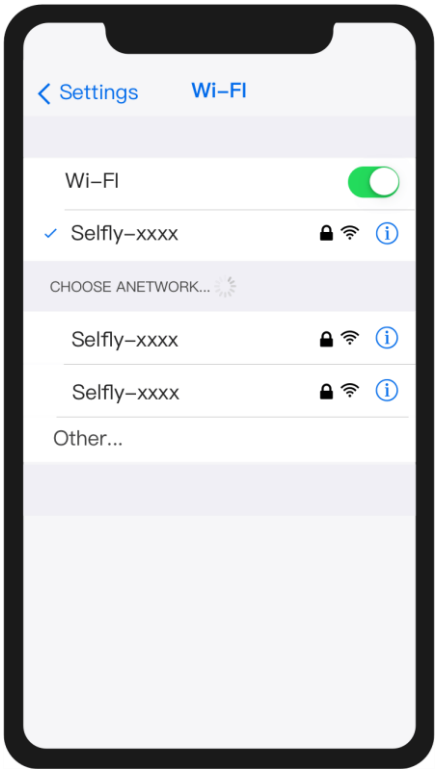
Off: Press power button for 3s and the blue LED will be turned off, indicating AEE SELFLY is off.

8. Connect AEE SELFLY to Smartphone

Turn on AEE SELFLY

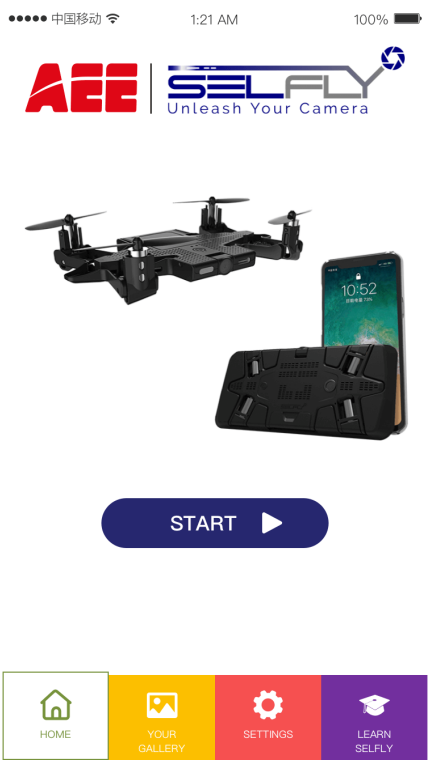
① Open phone's Wi-Fi interface.

② Select WLAN "SELFLY-xxxx" and enter the password "00000000" to connect.



After the phone is connected to AEE SELFLY, there will be a message informing that there is no internet connection via Wi-Fi, which of course is normal and does not indicate of any problem.

9. AEE SELFLY APP



9.1 Home

Click HOME to go to the main interface.

9.2 Your Gallery

Click YOUR GALLERY to enter Gallery, where you can view, download, delete, edit and share photos and videos.

9.3 Settings

Click SETTINGS to enter setting interface.

Camera

Click to set photo taking time delay off/3s/5s.

Flight

Click to set AEE SELFLY flight height and speed.

SELFLY

Click to check your AEE SELFLY general info: flight control version, camera version, gyro calibration. (Click

to calibrate AEE SELFLY by following APP instructions.)

Caution: Calibration is required when AEE SELFLY is in deviated flight or is not stable when hovering.

9.4 Learn SELFLY

Click

to enter user guide interface, where you can learn and practice how to fly AEE SELFLY by using flight simulator, watching quick start guide video or reading the user manual.

10. Start Flying

Click

on the main interface to enter the flight control interface. Real-time view will be displayed on the screen. The default control mode is Joystick Mode. Please confirm the camera faces the operator before flying to ensure the consistency between operating direction and flying direction.

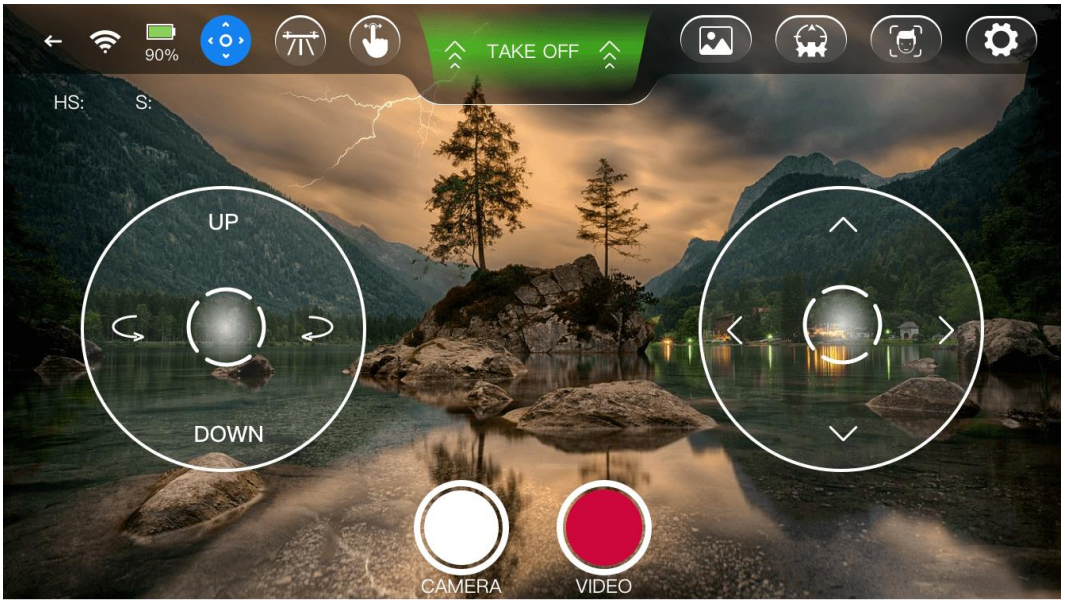
AEE SELFLY APP Control Modes:

① Joystick Mode

② Fly by Pod Mode

③ Fly by Picture Mode

10.1 Flight Preview Interface



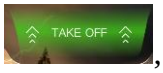
Back to Home Wi-Fi Battery Joystick Mode

Fly by Pod Mode Fly by Picture Mode Take Off

Album Headless Mode Settings

Face Tracking Camera Video

10.2 Take Off & Landing

① Click  , AEE SELFLY will take off and hover at about 1.5m.

② Click

, AEE SELFLY will land slowly. While landing, the icon will change to

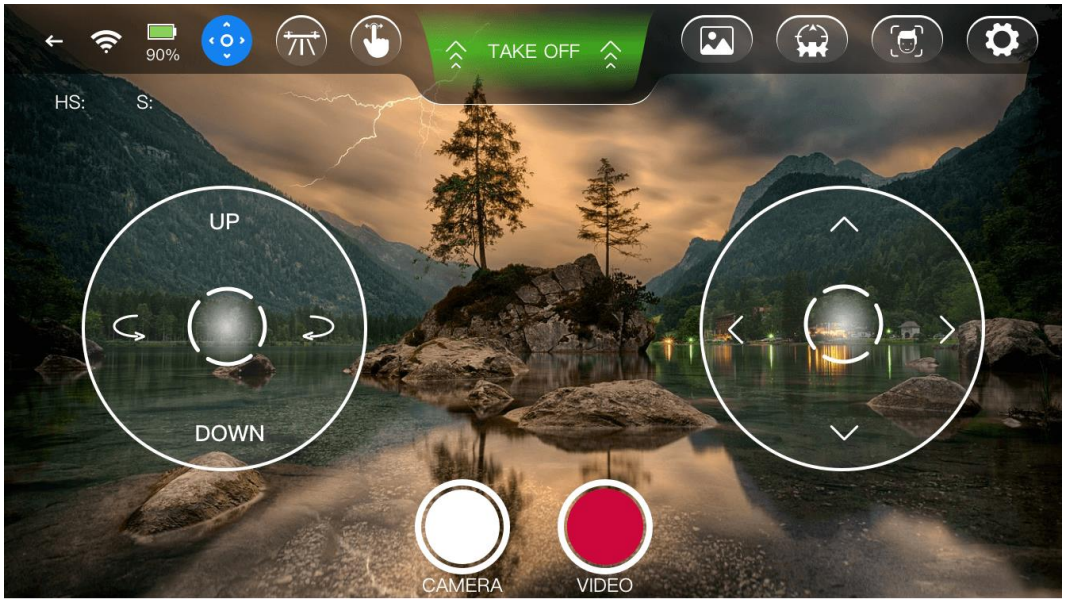
. (When battery is low or there is Wi-Fi disconnection, AEE SELFLY will land automatically.)

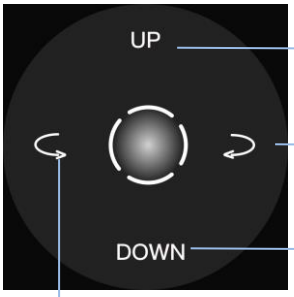
③ Click

to stop motors immediately.

When motors stop, AEE SELFLY will drop. In order to avoid damage, please operate it carefully.

10.3 Joystick Mode



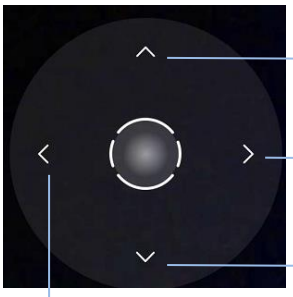


Slide up, AEE SELFLY will ascend.

Slide right, AEE SELFLY will rotate left.

Slide down, AEE SELFLY will descend.

Slide left, AEE SELFLY will rotate



Slide up, AEE SELFLY will fly forward.

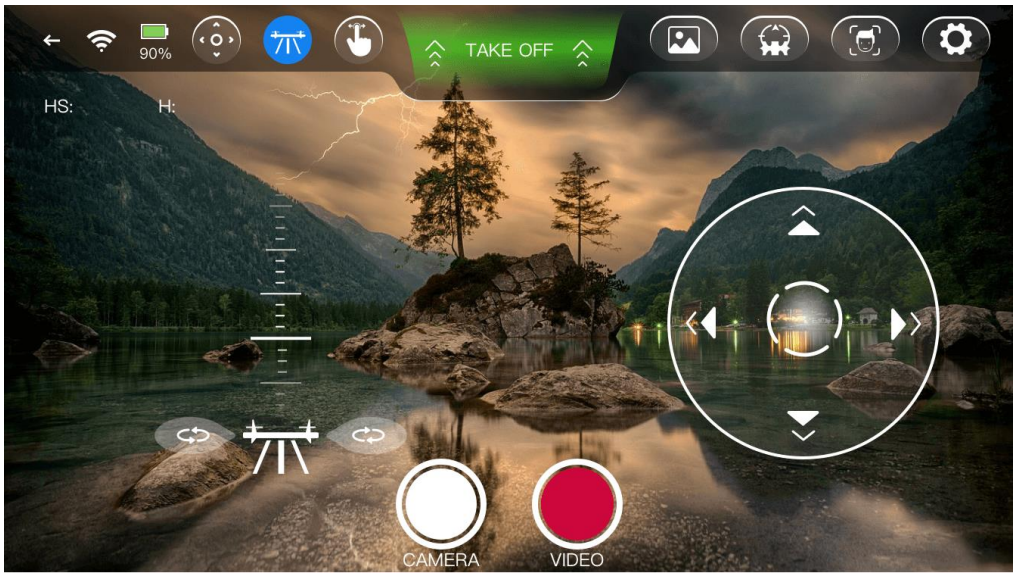
Slide right, AEE SELFLY will fly right.

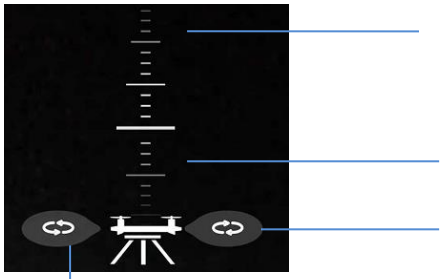
Slide down, AEE SELFLY will fly backward.

Slide left, AEE SELFLY will fly left.

10.4 Fly by Pod Mode

Please confirm the camera faces the operator before flying to ensure the consistency between operating direction and flying direction.





Slide upward, AEE SELFLY will ascend.

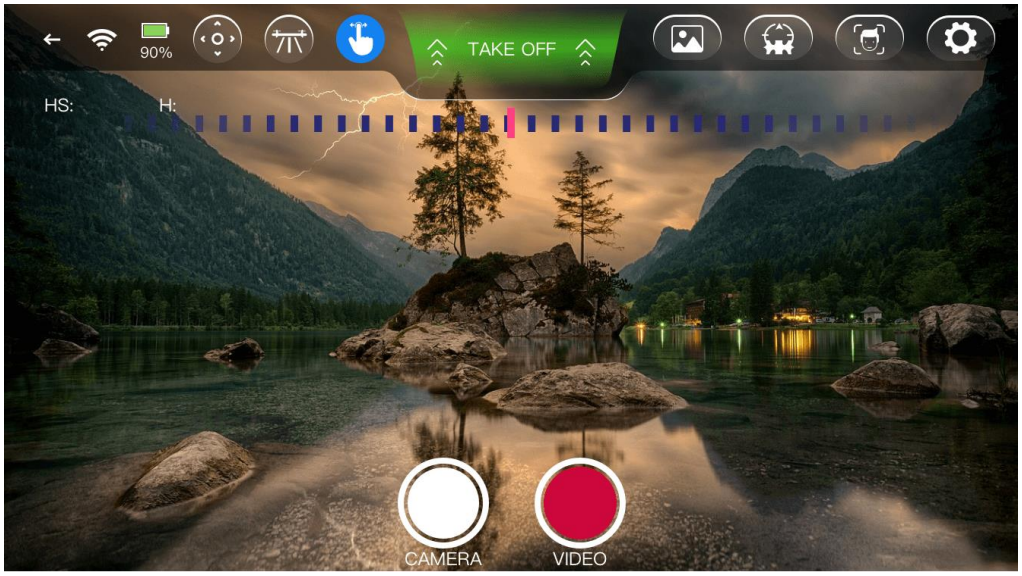
Slide downward. AEE SELFLY will descend.

Click this button, AEE SELFLY will rotate left.

Click this button, AEE SELFLY will rotate right.

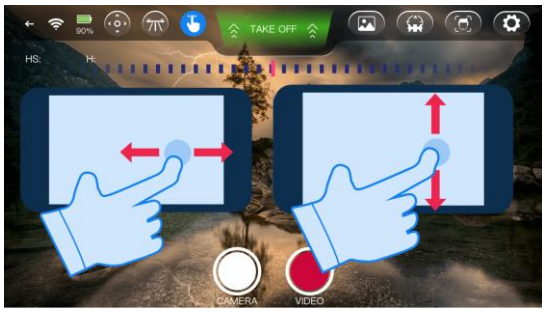
10.5 Fly by Picture Mode

Click to enter Fly by Picture Mode.



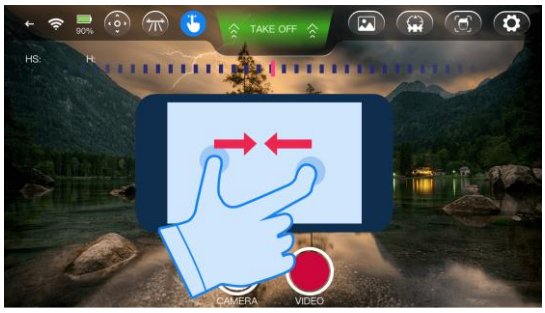
In this flight mode you manipulate the image on the screen the way you want it to be, the APP will translate this into flight orders.

Fly Up/Down/Left/Right: Slide your finger on the screen up/down/left/right and AEE SELFLY will fly up/down/left/right accordingly.

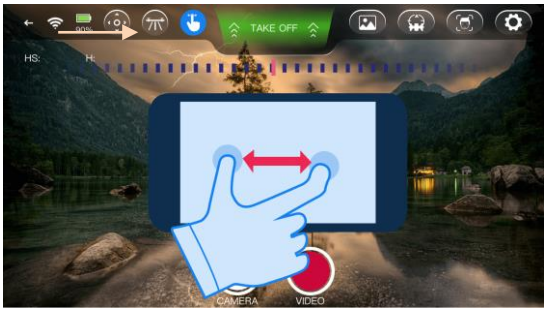


Rotate Left/Right：Slide your finger on the scale left/ right, AEE SELFLY will rotate left/right accordingly.

Forward: By zooming in with two fingers on the screen, AEE SELFLY will fly forward accordingly, so the image seen will be zoomed in.



Backward: By zooming out with two fingers on the screen, AEE SELFLY will fly backward accordingly.



10.6 Headless Mode

Click to enter Headless Mode, in which AEE SELFLY will keep the original take-off orientation no matter which direction it’s facing.

10.7 Face Tracking Mode

Click to enter Face Tracking Mode when a face detected, the blue LED will flash 3 times and it will start tracking this face. AEE SELFLY will adjust its position to keep the face in the center of image. In case of back light, this feature will not be effective.

10.8 Video & Photo

Video

Click to start/stop taking video.

Photo

Click to start/stop taking photo.

Face Detection & Gesture Control

Take Off by Face:

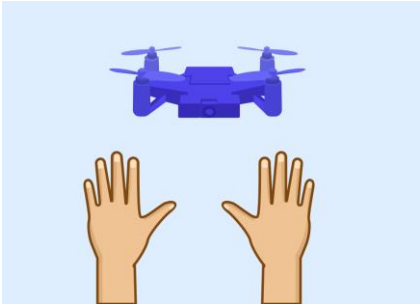
When AEE SELFLY is connected to the mobile device, enter its APP main interface and put AEE SELFLY on your hand in relatively horizontal position. Make sure AEE SELFLY's Camera faces you and press the power button twice continuously to trigger face unlock function. If AEE SELFLY detects a face, the blue LED will flash 3 times repeatedly for 3s, then AEE SELFLY will take off automatically and track the face. AEE SELFLY will adjust its position to keep the face in the center of image.

Gesture Control:

One Fist Next to the Face: AEE SELFLY will take a photo. Blue LED will flash 2s.

Two Hands Open: AEE SELFLY will recognize and land automatically. Blue LED

will flash slowly. And AEE SELFLY will approach the user and land in a certain distance.



Caution:

① Face detection and tracking has certain requirements for light. It may not work in poor light.

② In Face Tracking Mode, if AEE SELFLY loses the face, it will enter optical flow fixed point mode by hovering in place until it detects a new face or receives any other remote-control command.

11. Firmware Upgrade

Connect AEE SELFLY to the APP and upgrade firmware according to APP instructions.

Caution: Upgrade needs internet connection and battery must be at least 50% charged.

12. Safety Requirements

AEE SELFLY is designed for entertainment and leisure purposes.

Users must always maintain direct visual contact with it.

AEE SELFLY must be used in accordance with the civil aviation regulations of your country.

Not suitable for children under 14 years old. Small parts have choking hazard. Do not fly AEE SELFLY close to your face to avoid injuries, especially from your eyes.

Do not throw anything into the rotating motors. Hands, hair or loose clothes must be kept away from the propellers. Do not touch the rotating propellers.

Do not change or modify anything of AEE SELFLY.

Please Read User Manual Before Your First-Time Use

Fly only when the area is suitable for the intended use (free zone, no obstacles), and AEE SELFLY is in sight. Do not fly near high-voltage poles, railway tracks, roads, or open water.

Only fly in good visibility and fine weather conditions. If sand or dust enters AEE SELFLY, it may cause irreversible damage. If this happens, your AEE SELFLY may not work as intended.

The user must always maintain direct visual contact with AEE SELFLY and monitor its trajectory.

Do not fly AEE SELFLY at night or in poor lighting conditions.

AEE SELFLY is equipped with 2pcs 500mAh batteries. Please use under the direct supervision of an adult. Do not open or modify drone, charger or change any components inside.

13. Battery Safety and Privacy

Charge Battery：

All operations involving charging must be performed by adults. Keep your child away from these components. Please read the operating manual before use and follow the instructions.

Do not charge the battery if it is hot, humid, leaky, or showing signs of corrosion. Do not expose it to fire, as this may cause an explosion.

Do not short circuit the battery. It must be charged with the recommended charger. The charger should be examined regularly to see if there is any damage to its wire, plug enclosure and other parts. In the event of such damage, the charger must not be used until it is repaired or replaced.

Prolonged charging will not improve the battery's output and could eventually damage the battery. Do not disassemble the battery pack.

The battery is of a 12-month warranty, which starts from the first date of purchase and the defects (excluding loss within the first 6 months) on materials or process shall be verified by retailers.

Caution：Do not short circuit the battery touching points.

Attention: The battery may explode or leak. In the event of electrolyte leakage, protect your eyes and hands. Place it in a plastic bag or container until it is safe to handle. If you accidentally get the electrolyte on your skin, wash it thoroughly with water and consult a doctor. In case the battery is changed or tampered, AEE SELFLY will not be held liable.

Warm Prompt: Clean the battery with a wet sponge or cloth and do not immerse the battery in water. Protect the battery from rain, snow and moisture. Stay away from fire.

Privacy

Recording and use images and voices of others without consent will constitute an

infringement on their image and privacy rights and shall be subject to legal liability. Ask for consent before recording and sharing their voices and images on Internet. Do not share any degrading image or sound which could undermine individual reputation and dignity.

The use of AEE SELFLY for surveillance or espionage is strictly prohibited and could result in your prosecution by the law.

This user manual is subject to change without further notice.

Visit our official website www.aeeusa.com.