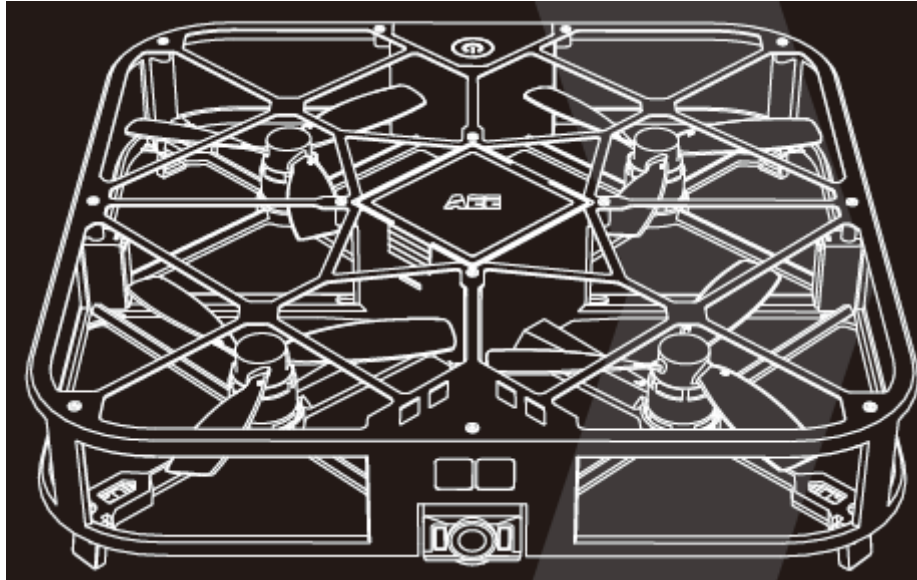


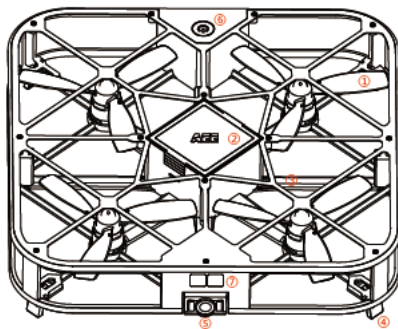
AEE

A10



Aerial photography equipment

Components



- | | | |
|--------------------------------------|-------------------------|----------------------------------|
| (1) Blade × 4 | (2) Battery compartment | (3) Optical flow module (bottom) |
| (4) Undercarriage | (5) Lens | (6) Power switch |
| (7) IR obstacle avoidance sensor × 4 | (8) TF card slot | (9) Micro USB port |

Working Temperature: 0°C~50°C.

I. APP Installation

1. Where to Download





Search the latest APP on our official website.

Scan the QR code for a link and follow the instructions to download and install AEE ZONE onto your mobile device.



Download the APP from an APP market:

** Android 4.0 or above user: search “AEE ZONE” in Google Play () and download and install it onto your mobile device.

** iOS 8.0 or above user: search “AEE ZONE” in App Store () and download and install it onto your mobile device.

Compatible mobile devices:

iOS 8.0 or above: iPhone 5/5s/5c/6/6s/6 Plus/6s Plus/7/7 Plus.

Android 4.0 or above: all dominant devices.

※ AEE shall continue to update the APP in order to support more types of mobile devices.

II. APP Connection

Power on the UAV. Enable the Wi-Fi function of the mobile phone and connect to the hotspot named “SPARROW_XXXXXXX”. Start the APP and select [UAV Connect] to receive the UAV image. Long press the power switch of the UAV for 3s. If the power indicator remains on without flashing, the UAV has been connected to the APP successfully.

Step 1: Enable the Wi-Fi function of the mobile phone and find the relevant hotspot as shown in Fig. 2. Enter the password “00000000” and tap [Connect].



Fig. 2



Fig. 3

Step 2: Visit the downloaded AEE ZONE as shown in Fig. 3 and select the relevant interface for connection.

Step 3: Preview the main interface as shown in Fig. 4.



Fig. 4

Step 4: Tap the shooting/recording mode icon and select a mode as shown in Fig. 5.

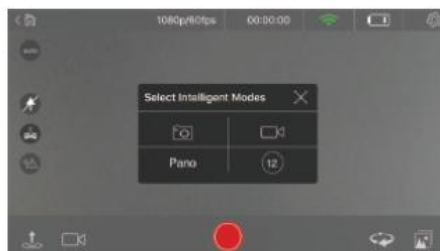











Fig. 5

III. APP's Main Interface

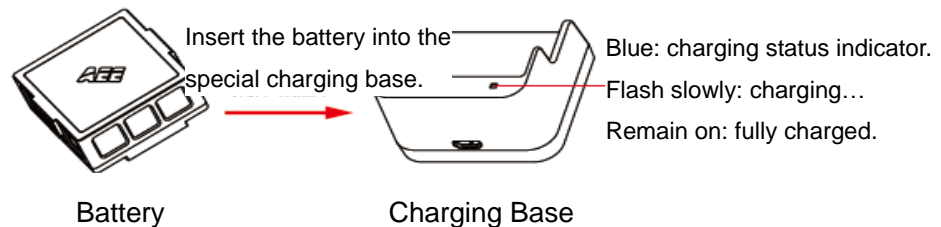


No.	Icon	Description
1		Return to the home page
2		Flash on/off
3		Headless mode on/off
4		Select a remote control mode: motion mode or joystick mode

5		IR sensor on/off
6		Quick takeoff/landing
7		Select a shooting/recording mode: 4 modes available
8		Wi-Fi signal
9		Battery level
10		Settings
11		Start shooting/recording
12		Switch the nose direction
13		Album

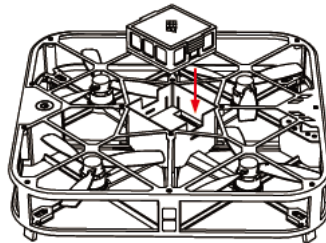
IV. Charging

The battery level is indicated by the battery level icon on the APP. Follow the figure below to charge the battery when the battery level icon shows less than one bar of power:



V. Battery Installation

Insert the battery into the battery compartment as directed by the 8 pins as shown below:



VI. Flight

1. Flight Environment

An indoor environment with calm air is recommended.

Indoor flight:

- (1) Considering the optical flow positioning and all-round IR obstacle avoidance, clear marks are required below the flight area.
- (2) An indoor flight requires adequate light (illuminance > 15lux), like normal fluorescent lighting.
- (3) No strong Wi-Fi interference is allowed.

2. Preflight Checks

- (1) Check if the UAV has any structural damage.
- (2) Check the battery level of the UAV (refer to the battery level icon on the APP).
- (3) Check the battery level of the mobile phone (20% or higher).

3. Preparations for Light

(1) Prepare the UAV:

Keep the UAV in horizontal condition.

(2) Adjust the camera's pitch angle:


As shown in the figure below, the camera supports 5 pitch angles: 0° (the lens faces the front), 15° in elevation (push the lens up), or -30°, -60° or -90° in depression (push the lens down).

(3) Power on the UAV:

Long press the power switch for 3s until the red power indicator is turned on.

(4) Start the flight:

(a) Take Off / Land

Tap the quick takeoff/landing icon “”, and the UAV will take off to the 1.5m altitude.

Tap such icon again, and the UAV will land to the takeoff point.

(b) Flight Control Mode – Joystick Mode (U.S. hand)



(c) Flight Control Mode – Motion Mode

In motion mode, tap and hold the motion button and tilt the mobile phone forward, backward, left or right to control the UAV to fly forward, backward, left or right. Slide the motion button up/down to increase/reduce the altitude of the UAV. Slide the motion button left/right to change the heading of the UAV.


(d) Flight Control Mode – Headless Mode

In headless mode, the operating steps are not much different from in remote control modes. The heading can be changed freely. No matter which angle the UAV has turned to, the end in the same direction as the remote control will be considered as its tail by default (easy to operate).


(5) Start shooting/recording:

The UAV supports 4 shooting/recording modes:

(a) Single shot: tap “” to shoot one photo.

(b) Normal video: tap “” to start/stop recording the video.

(c) Short video: tap “” to record a 12s video.

(d) Rotary camera: tap “” to rotate the heading clockwise by 360°, throughout which process, the camera keeps recording the video.

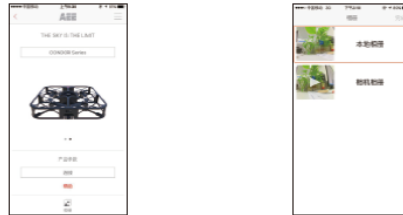
VII. Sharing

Enter the album, select the photos/videos to be shared and tap [Download]. Disconnect the mobile phone from the UAV's Wi-Fi hotspot and connect it to your data traffic network or Wi-Fi network. Tap the album icon on the AEE ZONE and select the photos/videos to be shared.

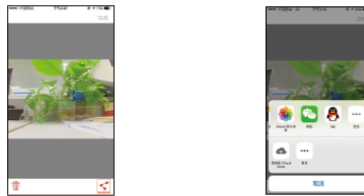
1. Select [Camera Album] as shown in the left figure below.



2. Select the target photos/videos and download them onto your mobile phone as shown in the right figure above.
3. Exit to the interface as shown in the left figure below and tap [Album].




4. Enter the local album as shown in the right figure above.
5. Select the photos to be shared and tap [Share] at the lower right corner to share them as shown below.



VIII. Calibration

Generally the UAV requires no calibration. However, please calibrate it if the UAV deflects or shakes.

Place the UAV in normal condition on the ground horizontally and power it on.

1. Start the APP connected to the UAV, tap the remote control mode icon “” and select the joystick mode to enter the following interface:



2. Turn the joysticks to positions shown in the figure below. The power indicator will flash quickly and then remain on or flash slightly. Wait 20s.



In case of successful calibration, the power indicator will remain on without flashing. If the power indicator still flashes 20s later, it means the calibration fails. Power off the UAV and then restart it. If the power indicator still flashes, recalibrate the UAV.

IX. Notes

1. Use the UAV in an indoor environment with calm air.
2. Disable the obstacle avoidance function in a narrow space.
3. If the image received from the UAV is displayed on the APP in an unsmooth or highly delayed way, restart the APP.
4. Do not insert any finger or easy-to-wind object into the housing.
5. To install the battery or power on the UAV, keep the UAV in horizontal condition rather than hold it in your hands.
6. Start the APP upon successful Wi-Fi connection. If no image is displayed in 20s, shut down the APP thoroughly in the background and then restart it.
7. Do not walk around in headless mode.
8. To use the shooting/recording function, insert a SD card and power on the UAV.
9. If the power indicator flashes slightly after powering on the UAV and connecting it to the APP, calibrate the UAV.
10. Calibrate it if the UAV deflects or shakes in the flight.
11. The motion mode is available in the flight only.
12. No flight is allowed in extreme weather conditions, even in an indoor environment (the UAV tends to be unstable in extreme weather conditions where the barometric pressure used to determine the altitude is changed).

X. Safety Instructions on Battery

Disclaimer

Providing relevant operation and maintenance safety instructions, this Guide is applicable to AEE CONDOR360 UAV and its battery only.

Please read the precautions and warnings contained herein carefully before using the UAV and its battery. We shall not be held liable for any consequence caused by improper use.

Working Temperature

Charging: 0°C~40°C.

Discharging: 0°C~40°C.

Precautions

1. To prevent risks and product damage, use the original battery and charger specially designed for SPARROW UAV and approved by AEE only.
2. Using any battery or charger other than specified above may shorten the UAV's or battery's service life or cause product faults or even battery fire or explosion.
3. Never insert the battery into the UAV reversely.
4. If any electrolyte splashes onto your eyes or skin in case of battery leakage, rinse with clear water and ask for medical help immediately.
5. Make sure the battery is fully charged before each flight.

6. The UAV will be forced to land for safety sake in case of low battery power.
7. Charge the battery for 2h at most. Overcharging may damage the battery severely.
8. Over-discharging may shorten the battery's service life severely. Please charge the battery in time.
9. Remove it from the UAV or charger immediately and stop using it if the battery smells, overheats, deforms, discolors or has any other anomaly.
10. To protect the battery's performance and maintain its service life, do not use it when the battery is placed in an extremely hot environment (like in direct sunlight or in a car on hot days), or it may overheat to catch fire (if ignited).

Battery Transportation and Storage

Storage Time (T)	Temperature (°C)
T < 1 month	-10°C~+45°C
1 month < T < 3 months	-10°C~+35°C

Note: to keep the battery active, please full charge and discharge it every three months.

General Instructions

1. Do not throw the battery into water or wet it.
2. Do not charge the battery near any fire source or in any extremely hot environment. Do not use or store it near any heat source (like fire or heater).
3. Use the special charger only.
4. Do not throw the battery into fire or heat it.
5. Do not use wires or other metal objects to short-circuit the battery's anode and cathode. Do not transport or store the battery together with necklaces hairpins or other metal objects.
6. Do not use nails or other sharp objects to pierce the battery housing. Never hammer or step on the battery.
7. Do not impact or throw the battery or expose it to any mechanical shock.
8. Do not decompose the battery in any way.
9. Do not place the battery in any microwave oven or pressure vessel.
10. Do not use the battery in a combination with any other battery of different capacity, size or type.

Disposal

Do not dispose of waste battery with regular household waste. The waste battery should be fully discharged and returned to battery collection points according to local laws and regulations

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.