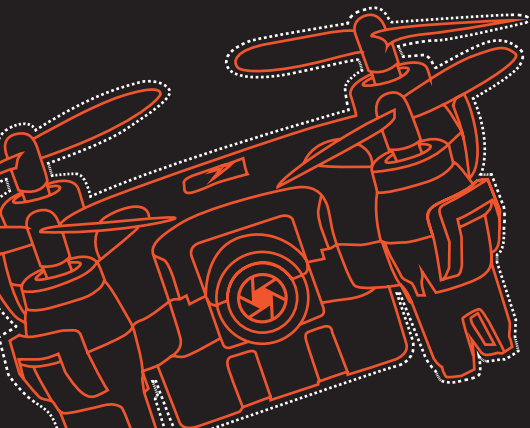


# SKEYE

*Nano 2 Camera*

## USER GUIDE



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DRONE

**ACADEMY**

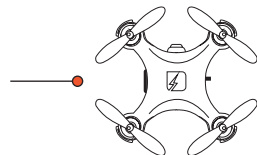
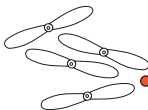
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# Parts Identification

SKEYE Nano 2 Camera

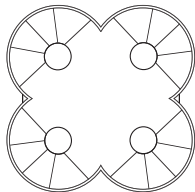


Replacement Rotor Blades (4x)

Rotor Protection Cage



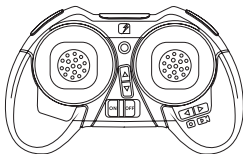
USB  
Charging  
Cable



Rotor Replacement Wrench



MicroSD  
Card  
Reader



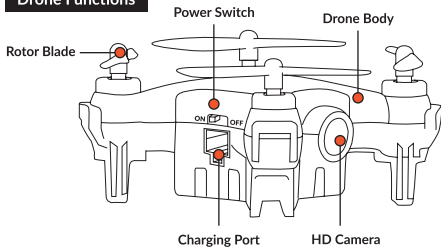
MicroSD  
card

MicroSD  
Card

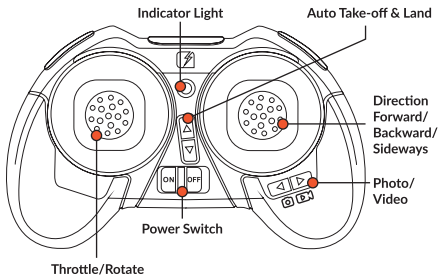
Controller

# Functions

## Drone Functions

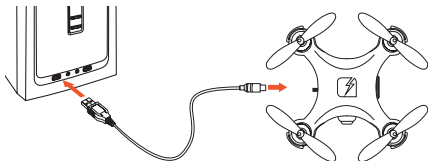


## Controller Functions



# Setup

## Charging SKEYE Nano 2 Camera



Connect the USB Charging Cable to a USB port and the drone. The LED on the USB Charging Cable lights red indicating that the battery of the drone is charging. When the battery is fully charged, the LED on the USB Charging Cable turns off. It takes about 30 minutes to recharge a discharged battery.

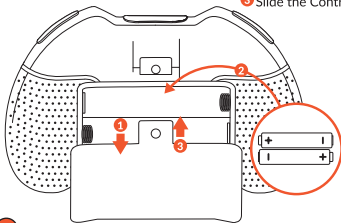


**WARNING**

Make sure you only charge the rechargeable battery with the supplied USB Charging Cable. If you try to charge the rechargeable battery with a different battery charger, this might cause serious damage.

## Controller Battery Installation

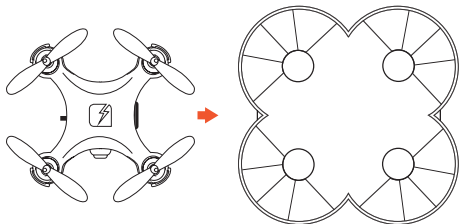
- 1 Open the Controller battery cover.
- 2 Install 2x 1.5V AAA batteries.
- 3 Slide the Controller battery cover back.





## Rotor Protection Cage Installation

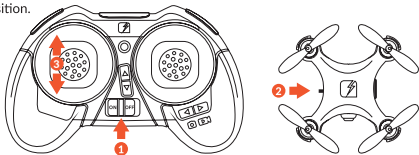
Gently slide the Rotor Protection Cage onto the landing feet of the drone.



## Pairing

Place the drone on a flat and level surface.

- 1 Slide the Power Switch to turn on the Controller. The Controller emits a tone and the Indicator Light starts flashing.
- 2 Slide the drone's Power Switch. The drone's LED lights start flashing.
- 3 Push the Throttle/Rotate stick to the full up position, then to the full down position.

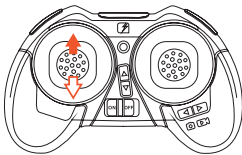
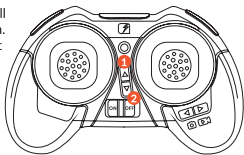


- 4 The Controller Indicator Light and the drone's LED lights turn solid after a few seconds.
- 5 When the Indicator Light on the Controller and the LEDs on the drone are all solid (not blinking) the drone is ready to fly.

# Piloting

## Auto Take-off & Land

- 1 Pushing the Auto Take-off button will cause the rotors of the drone to spin. The drone takes off and will hover at a height of approximately 1.5 meter.
- 2 Pushing the Auto Land button will make the drone land.



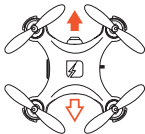
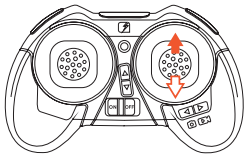
## Flight Controls

### Throttle Control

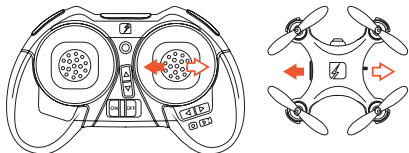
To fly higher, push the Throttle/Rotate stick cautiously forward.  
To fly lower, push the Throttle/Rotate stick cautiously backward.

### Direction Control

To fly the drone forward or backward, push the Direction stick cautiously forward or backward.  
To fly the drone to the left or the right, push the Direction stick cautiously to the left or the right.

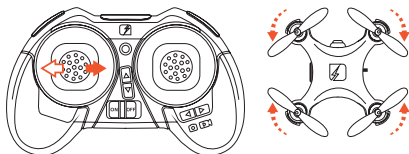


To fly the drone to the left or the right, push the Direction stick cautiously to the left or the right.



### Rotation Control

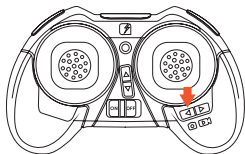
To make the drone circle to the left or the right, push the Throttle/Rotate stick cautiously to the left or right.



# Photo & Video

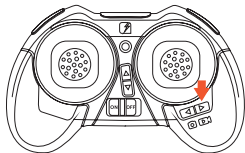
## Taking a Photo

To take a photo press the Photo Button.



## Recording a Video

To record a video press the Video Button. Press the Video Button again to stop recording.



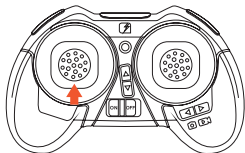
# Tips & Tricks

## Sensitivity Control

The drone has three sensitivity settings: Low, Medium and High. A higher sensitivity makes the drone faster and more responsive.

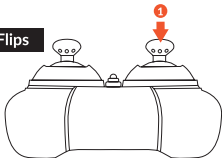
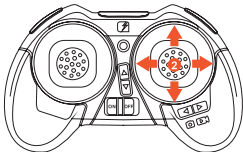
Press the Throttle/Rotate stick to change the sensitivity:

- 1 When the Controller emits 1 tone = Low sensitivity mode.
- 2 When the Controller emits 2 tones = Medium sensitivity mode.
- 3 When the Controller emits 3 tones = High sensitivity mode.



## Advanced Flight: Performing 360° Flips

- 1 Press the Direction stick to enter flip mode. The Controller will start to beep.



- 2 Push the Direction stick forward, backward, right or left to perform flips. The drone carries out the flip in the respective direction.

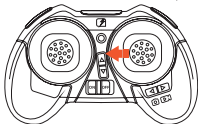


WARNING

Do not attempt these stunts until you are able to fly confidently. Choose an area that will provide a soft landing (carpet or grass) and maintain an altitude of at least 10 feet/3 meters to allow room to recover control as you practice flipping the drone.

### Left Side 360° Flip

Press the Direction stick and push it to the left.



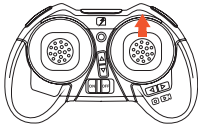
### Right Side 360° Flip

Press the Direction stick and push it to the right.



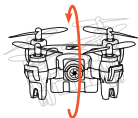
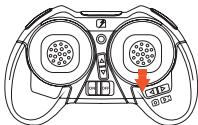
### Forward 360° Flip

Press the Direction stick and push it forward.



### Backward 360° Flip

Press the Direction stick and push it backward.



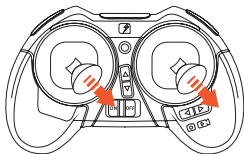
# Troubleshooting

## Calibration

The drone needs to be calibrated if it flies unstable.

Place the drone on a flat surface and follow the pairing instructions as described in "Pairing" (page 9).

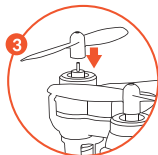
Move the Throttle/Rotate stick and the Direction stick to the lower right corner. The LED lights on the drone will flash for a few seconds and turn solid when the calibration is complete.



## Replacing Rotor Blades

To replace a rotor blade, follow the steps below:

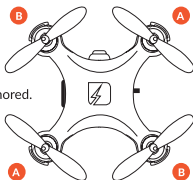
- 1 Put the Rotor Replacement Wrench between the motor and rotor blade.
- 2 Gently press the Wrench to remove the rotor blades.
- 3 Press the new rotor blade onto the motor axis.



Each rotor blade is marked with a "B" or "A", followed by a number at the underside. Be sure to note the marking and the tilt angle of the rotor blades.

Front left: marking "B"  
Front right: marking "A"  
Rear left: marking "A"  
Rear right: marking "B"

The number following the "B" or "A" can be ignored.





## FAQ



**Problem:** Controller does not work.



**Cause:** The batteries have been incorrectly inserted.

**Solution:** Check if the batteries have been correctly inserted.

**Cause:** The batteries do not have enough power.

**Solution:** Insert new batteries.



**Problem:** The drone cannot be controlled with the controller.



**Cause:** The controller is possibly not correctly paired with the drone.

**Solution:** Carry out the pairing procedure as described in "Pairing" (page 9).



**Problem:** The Drone does not lift.



**Cause:** The battery power is not sufficient.

**Solution:** Charge the battery as described in "Charging SKEYE Nano 2 Camera" (page 8).



**Problem:** During flight, the Drone loses speed and height without any obvious reason.



**Cause:** The battery is too weak.

**Solution:** Charge the battery as described in "Charging SKEYE Nano 2 Camera" (page 8).



**Problem:** The drone only flies in a circle or flips over before taking off.



**Cause:** Rotor blades incorrectly mounted or damaged.

**Solution:** Fit rotor blades/replace rotor blades as described in "Replacing Rotor Blades" (page 16).

# Safety Precautions

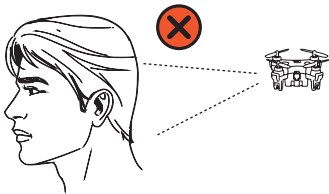
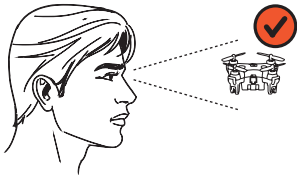
Carefully follow the instructions below. Make sure to safely fly the drone and mind the warnings in this document. The drone is not intended for use by children under fourteen years old, unless directly supervised by a competent adult at all times.

Always ensure the safety of yourself, others and the drone. The drone has rotating blades that move at high speed and might cause damage or danger. Pilots are responsible for any actions that result in damage or injury due to improper operation of the drone.

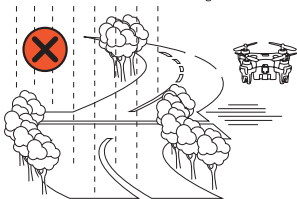
Make sure you use the drone in a suitable environment. Choose an adequate flying space without obstacles.

Keep your hands, face, hair or loose clothes away from the rotating blades. Hair getting into the rotor might cause serious damage to the drone.

Never lose sight of the drone. If the drone flies out of your field of view, immediately stop operating it.



Do not fly near buildings. Do not fly over stations, rail lines or highways. Do not fly near trees, or crowds of people. Do not fly in rain, snow, fog, storm, wind or in unclear weather conditions at night.



Do not approach or film people without their consent. Be mindful of privacy.

Avoid ceiling fans, hanging light fixtures, heating or air conditioning.

### Additional Safety Precautions

- This drone has small parts that may pose a choking hazard. Keep all small parts and electrical devices out of children's and animals' reach. Pets can become excited by radio-controlled drones.
- The drone is controlled by radio, therefore it is subject to radio interference from many sources that are beyond your control. Radio interference can cause momentary loss of radio control. Always allow a safety margin in all directions around the drone in order to prevent collisions.
- The controller and the charger are specially designed to charge this model. Never use other charging equipments.
- Regularly examine the drone and controller for any damage to the plugs, enclosure, rotor blades, battery covers and other parts. In the event of any damage, neither the drone nor the controller should be used.
- When cleaning the drone or controller, use a damp cloth and wipe gently. Avoid using chemicals, it can damage the plastic components.

## Battery Safety Instructions

- For the best performance, only use fresh 1.5V Alkaline "AAA" batteries in the controller.
- Never operate the drone with low controller batteries.
- The drone automatically switches off if the rotors are unable to rotate. Switch the power to restart the drone.
- When not in use, store the drone in the original packaging with the batteries removed from the controller.
- Always recharge the battery after use in order to prevent it becoming deep discharged. Make sure to allow a pause of about 20 minutes between finishing the flight and recharging the battery.
- Even if the drone is not in regular use, recharge the battery occasionally, suggested at least once in every 2-3 months.
- When transporting or temporarily storing the rechargeable battery, the temperature should be between 5-50 C. Do not store the battery or the drone in a car and do not expose it to direct sunlight. In the case the battery is overheated it can be damaged or catch fire.
- Do not submerge the drone or the controller in water. This will damage the electronic components and could pose a severe risk to the built-in battery.

## FCC Compliance Information (USA only)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.







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