SWIFT

USER GUIDE

TRNDlabs

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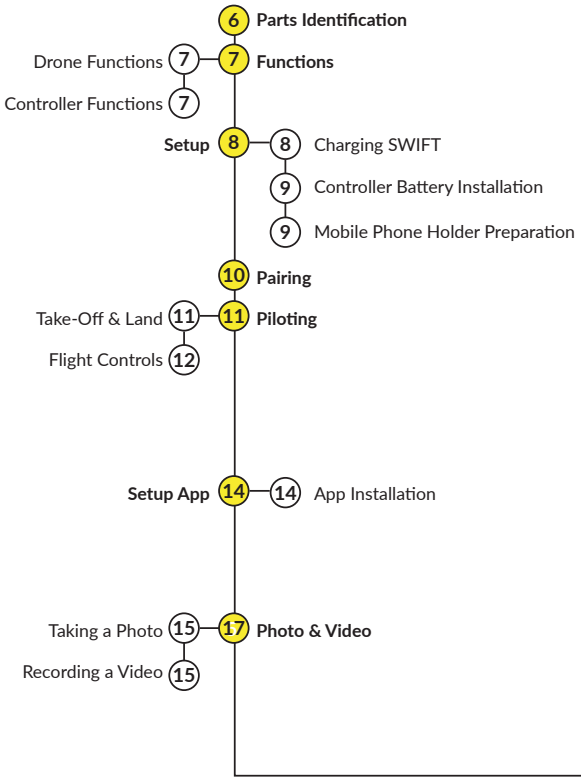
TRNDlabs products are design focused electronics, engineered to combine ultimate performance and aesthetics.

Table of Contents



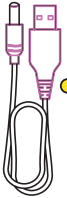
6 Parts Identification
Drone Functions 7 7 Functions
Controller Functions 7
Setup 8 8 Charging SWIFT
9 Controller Battery Installation
9 Mobile Phone Holder Preparation
10 Pairing
Take-Off & Land 11 11 Piloting
Flight Controls 12
Setup App 14 14 App Installation
Taking a Photo 15 17 Photo & Video
Recording a Video 15

Tips & Tricks 21
- 21 Sensitivity Control
- 22 Advanced Flight: Performing 360° Flips
- 25 Switching Modes

Troubleshooting 26
- Direction Trim 26
- Rotation Trim 26
- Calibration 27
- Rotor Protector Installation 27
- Replacing Rotor Blades 28
- FAQ 29

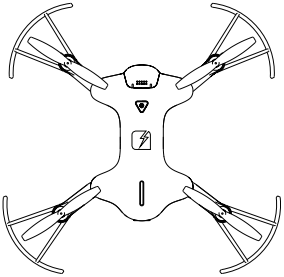
Safety Precautions 30
- 31 Additional Safety Precautions
- 32 Battery Safety Instructions
- 32 FCC Compliance Information (USA only)

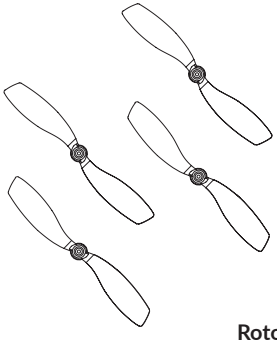
Parts Identification



USB
Charging
Cable

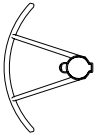
SWIFT

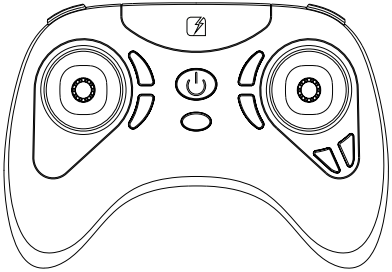




Replacement Rotor Blades (4x)

Rotor Protectors (4x)

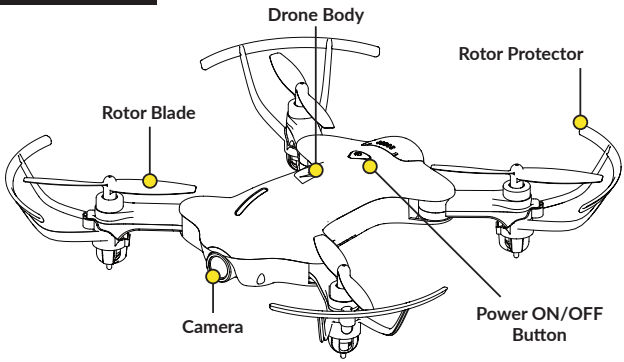




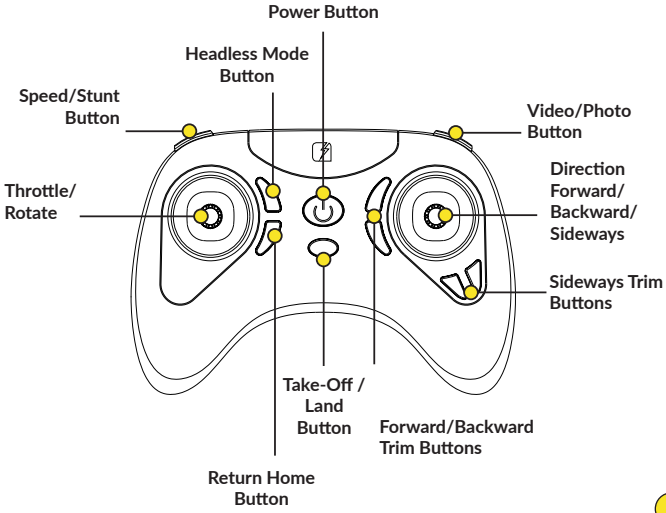
Controller

Functions

Drone Functions

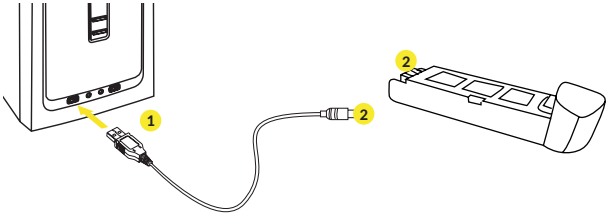


Controller Functions



Charging SWIFT

Slide the battery out of the drone by pulling it gently.

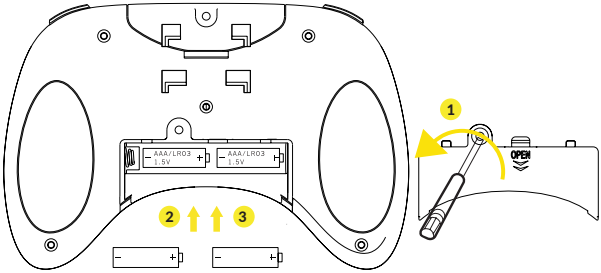


Connect the Charging Cable to a USB port (1) and the battery of the drone. (2)
A LED light on the connector of the Charging Cable will indicate it is charging. When the battery is fully charged, the LED light turns off. It takes about 60 minutes to recharge a discharged battery.

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.

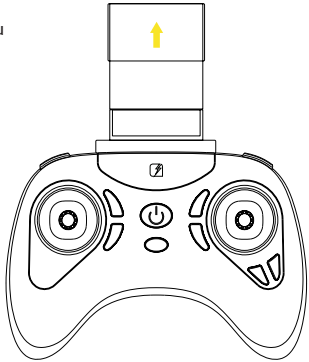
Controller Battery Installation

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



Mobile Phone Holder Preparation

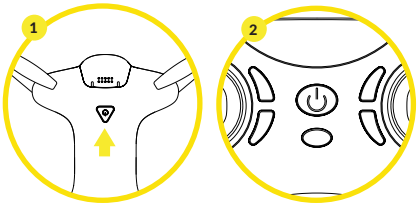
Slide the Mobile Phone Holder from closed position to open position. You can now place a mobile phone.



Pairing

Place the drone on a flat and level surface.

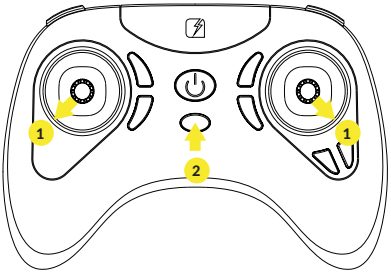
1. Press the Power Button for 2 seconds to switch the drone ON.
2. Push the Power Button to turn on the Controller. The Green Indicator Light on the Controller starts flashing slowly.
3. The Drone will automatically connect to the Controller. After succesfull binding the Controller will beep twice.



Piloting

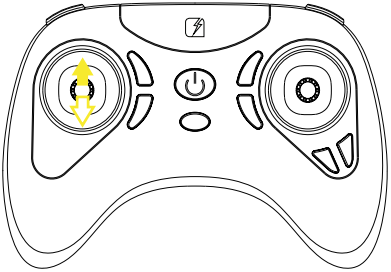
Take-Off & Land

1. Push the left stick to the lower left corner and the right stick to the lower right corner at the same time. The rotors start spinning.
2. To take off the drone push the Take-Off/Landing Button. The drone will hover at approximately 1 meter.
2. When flying, push the Take-Off/Landing Button again to land the drone.
1. In case of an emergency, push and hold the left and right stick as described in step 1.



Throttle Control

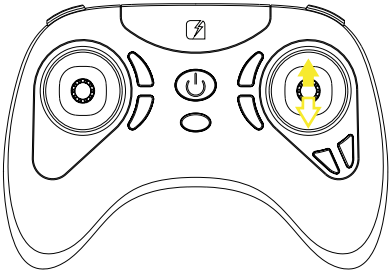
To fly higher, push the Throttle/Rotate stick cautiously forward. To fly lower, push the Throttle/Rotate stick cautiously backward.

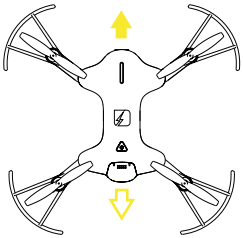


Flight Controls

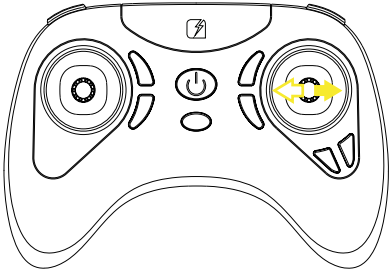
Direction Control

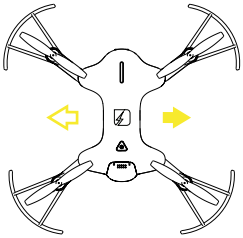
To fly the drone forward or backward, push the Direction stick cautiously forward or backward.





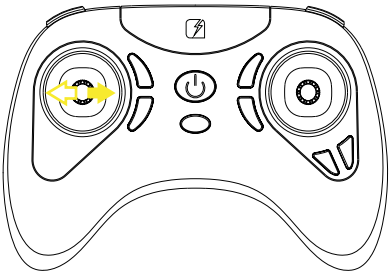
To fly the drone to the left or the right, push the Direction stick cautiously to the left or the right.

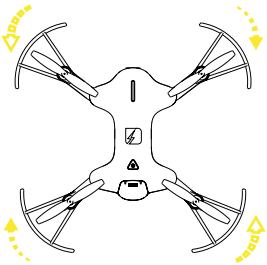




Rotation Control

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





Setup App

App Installation

The App is suitable for mobile phones with iOS or Android. The App can be downloaded from the App Store or Google Play.

Scan the QR code to download the App: TRNDlabs SWIFT

Download on the App Store

For mobile phones with iOS, search TRNDlabs SWIFT in the App Store.

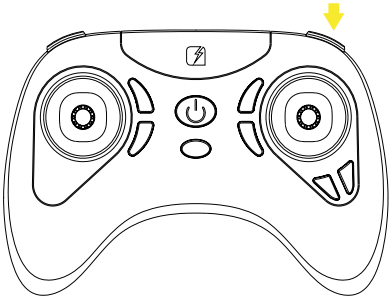
GET IT ON Google Play

For mobile phones with Android, search TRNDlabs SWIFT in Google Play.

Photo & Video

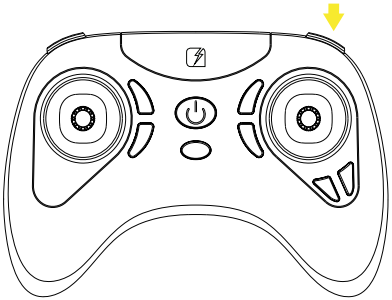
Taking a Photo

Press the Photo Button once to take a photo.



Recording a Video

Press the Video Button on the controller for 3 seconds to start recording. Press the button again for 3 seconds to stop recording.



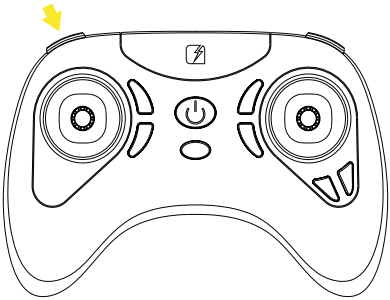
Sensitivity Control

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

Controller Sensitivity Control

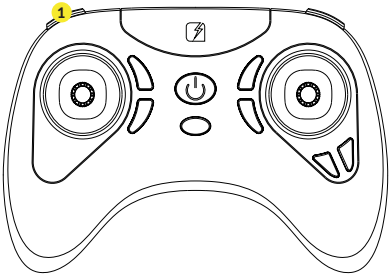
Press the Sensitivity/Stunt Button to change the sensitivity:

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.

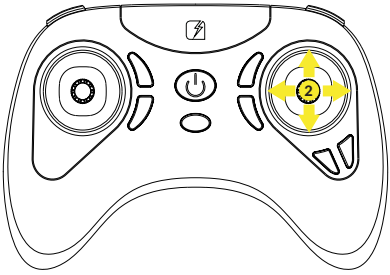


Advanced Flight: Performing 360° Flips

1 Press and hold the Sensitivity/Stunt Button to enter stunt mode. The Controller will start to beep fast.



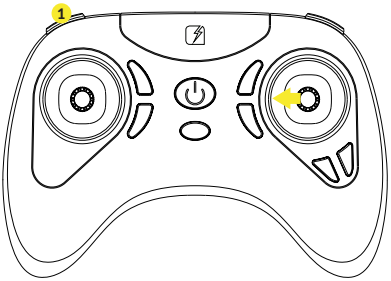
2 Push the Direction stick forward, backward, right or left to perform flips. The drone carries out the flip in the respective direction.

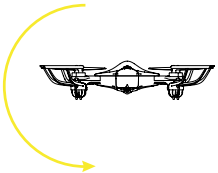


WARNING Do not attempt these stunts until you are able to fly confidently. Choose an area that will provide a soft landing (carpet or grass) and maintain an altitude of at least 10 feet/3 meter to allow room to recover control as you practice flipping the drone.

Left Side 360° Flip

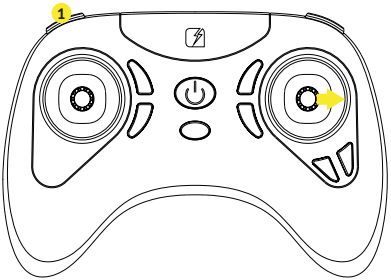
Press the Sensitivity/Stunt Button and push the Direction stick to the left.

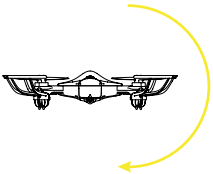




Right Side 360° Flip

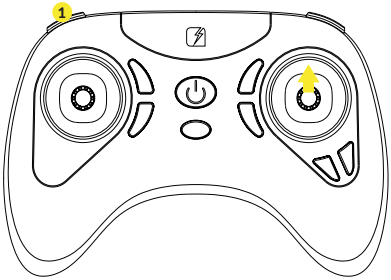
Press the Direction stick and push it to the right.

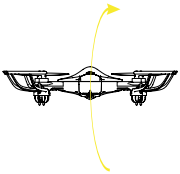




Forward 360° Flip

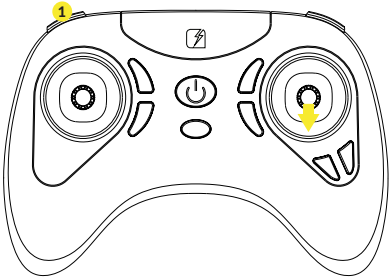
Press the Direction stick and push it forward.

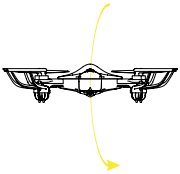




Backward 360° Flip

Press the Direction stick and push it backward.

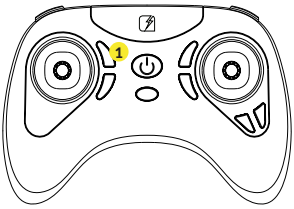


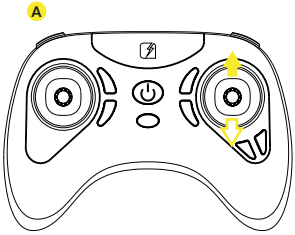


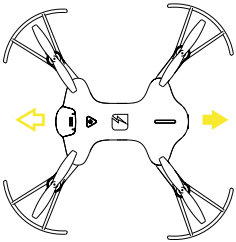
Switching Modes

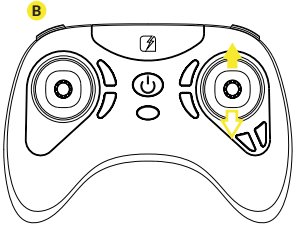
The drone can be switched from Normal Mode **A** to Headless Mode. **B** Headless Mode does not require the pilot to differentiate the front (head) position of the drone, but simply use the Direction Stick for the drone to respond correctly to the given input relative to the position of the controller.

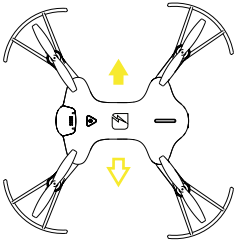
To enter Headless Mode, press button **1**. The controller will emit a double beeping sound to confirm the drone is now in headless mode. Press button **1** again to exit Headless Mode. The controller emits a beep tone again to confirm return to Normal Mode.











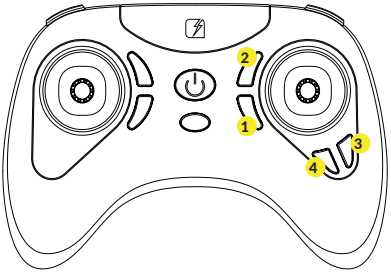
Direction Trim

When hovering, if the drone flies forward or backward without moving the Direction stick, proceed as follows:

1 If the drone moves on its own forward, tap the Backward Trim arrow in steps.
2 If the drone moves on its own backward, tap the Forward Trim arrow in steps.

When hovering, if the drone flies to the left or right without moving the Direction stick, proceed as follows:

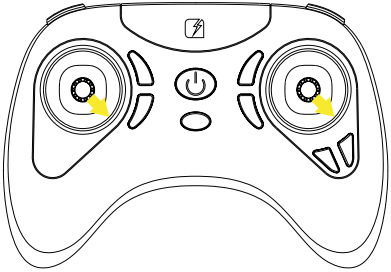
3 If the drone moves on its own sideways to the left, tap the Right Trim arrow in steps.
4 If the drone moves on its own sideways to the right, tap the Left Trim arrow in steps.



Calibration

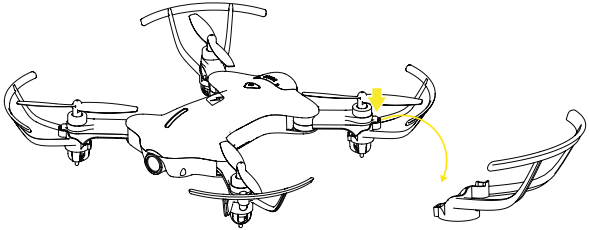
The drone needs to be calibrated if it flies unstable.

Place the drone on a flat and level surface. Now, at the same time, push both the left and right joystick to the lower right corners and hold for 2 to 3 seconds. The LED lights on the drone will start blinking rapidly, indicating the drone is calibrating. After 2 to 3 seconds the LED lights will return back to normal, indicating the calibration was succesful.



Rotor Protector Installation

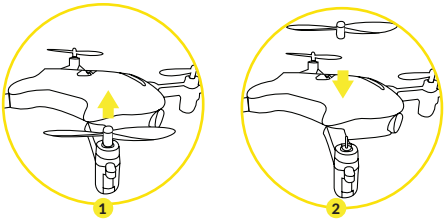
Push the lock clip gently down too slide the Rotor Protectors from the landing feet of the drone. To install them again simply slide them onto the landing feet untill it locks.



Replacing Rotor Blades

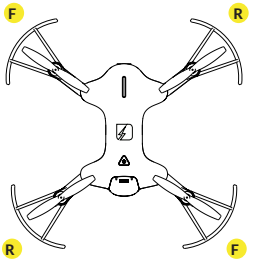
To replace a rotor blade, follow the steps below:

1. Gently remove the Rotor Blade from the drone by pulling them straight upwards.
2. Press the new rotor blade onto the motor axis.



Each rotor blade is marked with a “F” or “R”. Be sure to note the marking and the tilt angle of the rotor blades. When replacing the rotor blades, please install the right type of blade on the correct position on the drone.

Front left: marking “F”
Front right: marking “R”
Rear left: marking “R”
Rear right: marking “F”



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 10).

Problem: The Drone does not lift.

Cause: The battery power is not sufficient.
Solution: Charge the battery as described in “Charging SWIFT” (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 SWIFT” (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 22).

Safety Precautions

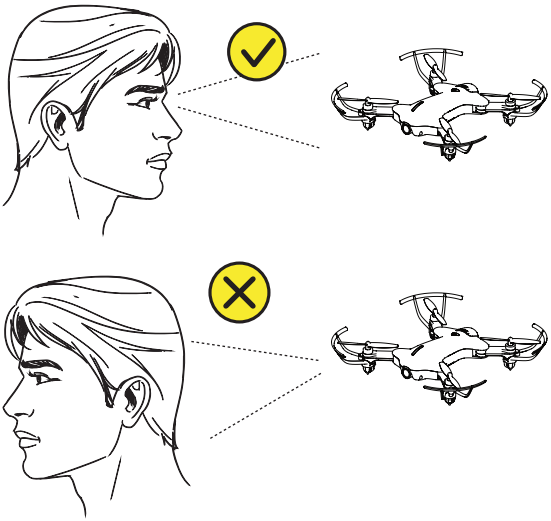
Carefully follow the instructions below. Make sure you fly the drone safely, and you mind the warnings. The drone is not intended for use by children under fourteen years old, unless directly supervised by a competent adult at all times.

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.

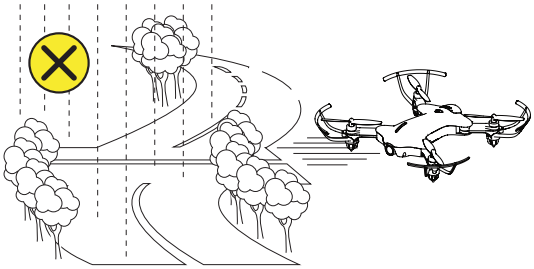
Make sure you use the drone in a proper environment. Choose an adequate flying space without obstacles.

Keep your hands, face, hair or loose clothes away from the rotating blades. Hair getting into the rotor might cause serious damage of 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, railways 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 the reach of children and animals. 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 becomes 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 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 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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