

# AG-05

## User Manual

We appreciate you for choosing our product. For the safety reasons, please read the manual carefully.

## IMPORTANT NOTES

1. This product is equipped with a gyroscope that ensures stable performance. This product is suitable for flying in small spaces, both in-door and out-door. Warning: do not fly in the strong wind (preferably mild breeze).
2. The drone uses 2.4Ghz frequency which allows for longer control range. The interference free system allows for multiple drones flying simultaneously. Main functions: up/down, forward/backward, left/right, left/right rotation. The drone is capable of doing stunts.
3. For the safety reasons, please read the manual carefully. Keep the manual and the package for future references.

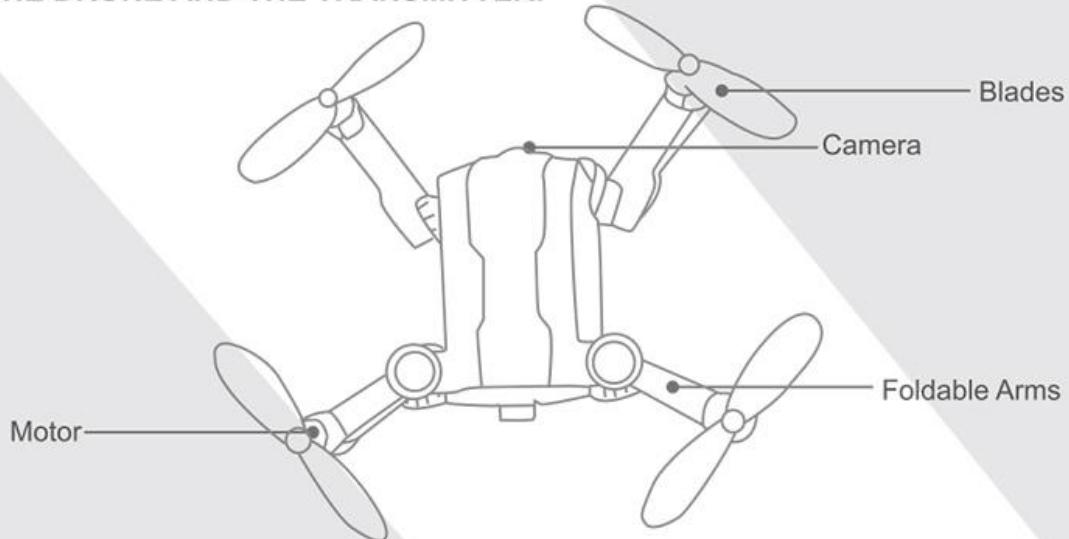
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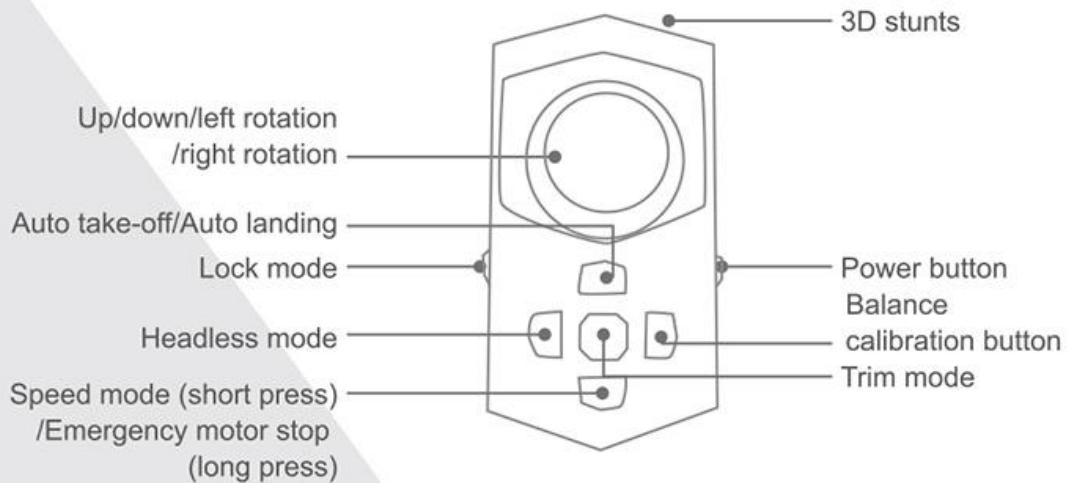
## SAFETY GUIDE

1. Warning: Please, keep away from small children. Chocking hazard - contains small parts.
2. When flying for the first time, avoid sharp movements of the throttle, otherwise the drone may fly out of control or cause unintended damages.
3. After flying turn off the transmitter before turning off the drone.
4. Do not keep the battery in high-temperature areas or near heat sources.
5. It is strongly recommended to fly the drone at 2-3 meters away from people. Crashes may cause unintended injuries.
6. Adult supervision is recommended for users below 18 years old.
7. Do not attempt to recharge non rechargeable batteries. It is not advisable to mix old and new batteries or batteries of different types.
8. Turn off the drone and the transmitter when not in use. Remove the battery from the drone.
9. Do not connect the positive and negative terminals as it will cause short circuit.
10. Do not look directly into the drone LED lights or infrared light as it can damage your eyes.

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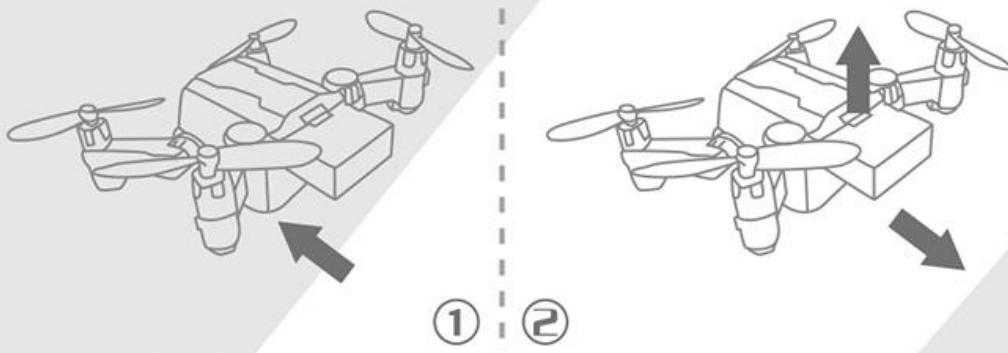
## THE DRONE AND THE TRANSMITTER:





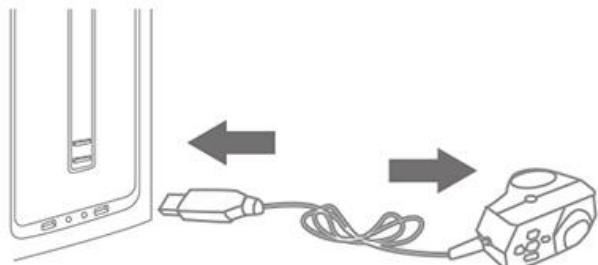
Notice: To turn on the transmitter, press the power button once and two beeps will be emitted, indicating that the transmitter is on. To turn off the transmitter, long press the power button and the power indicator light at the top right corner of the transmitter will go off. After pressing the trim mode button, the trim mode will be activated. Use the four buttons around the trim mode button to adjust trim position. To exit trim mode, press on the trim mode button and the four buttons functions will be activated.

#### INSTALLING THE DRONE BATTERY:



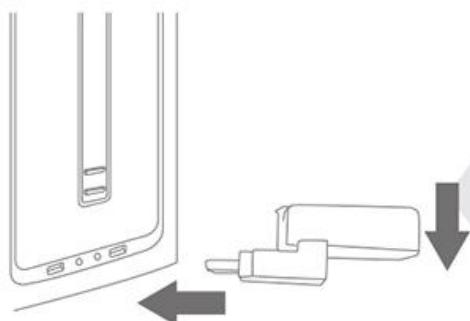
1. Installing the battery: install the battery into the battery compartment at rear of the drone.
2. Battery Removal: Gently pull up the battery clip and after remove the battery.

### INSTALLING THE TRANSMITTER BATTERY:



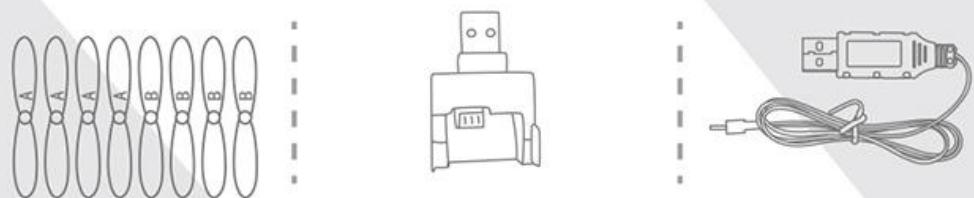
Connect the transmitter to the USB charging cable. Insert the charging cable into computer USB port or other USB charging ports. When charging, the charging indicating light will be off. Unplug the charger when the light goes on. The charging time is about 20 minutes.

### DRONE BATTERY CHARGING INSTRUCTIONS:



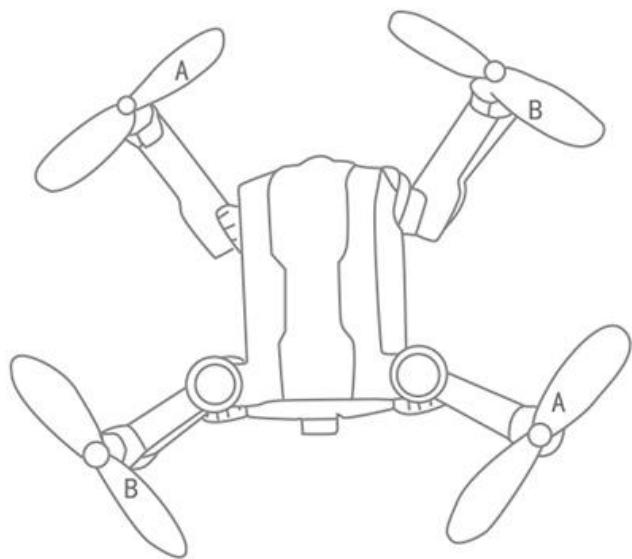
Remove the battery from the drone and install it into the charging cradle. Insert the charging port into computer USB port. When charging, the charging indicator light will be off. Unplug the battery when the light goes on. The charging time is about 150 minutes.

### ACCESSORIES INCLUDED:



## INSTALLING THE BLADES:

We strongly recommend to change the blades when they are damaged or deformed (spare blades are included). Before replacing the blades, identify blades marked as "A" or "B" and replace with blades having the same letter (refer to the picture).

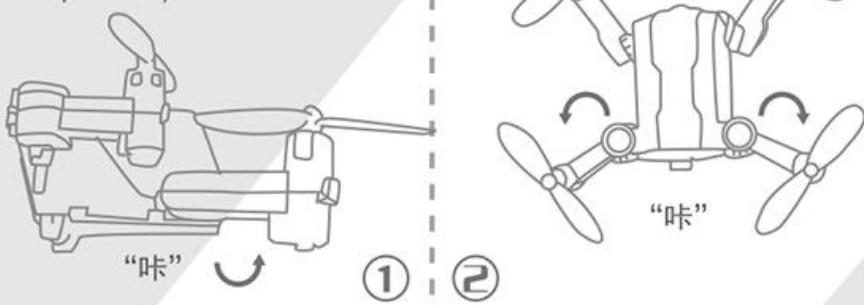


## OVERFLOW PROTECTION:

When the drone collides with objects, the drone overflow protection will be activated and the motors will stop spinning. Push the throttle fully down and hold it there for 2 seconds. The drone indicator lights will stop flashing. Push the throttle stick fully up and the drone will deactivate overflow protection.

## PREPARATION FOR FLIGHT:

1. Unfold the arms of the drone (refer to the pictures).



Notice: When unfolding the drone arms you should hear clicks, indicating that the arm is fully unfolded. Before flying, make sure the arms are fully unfolded.

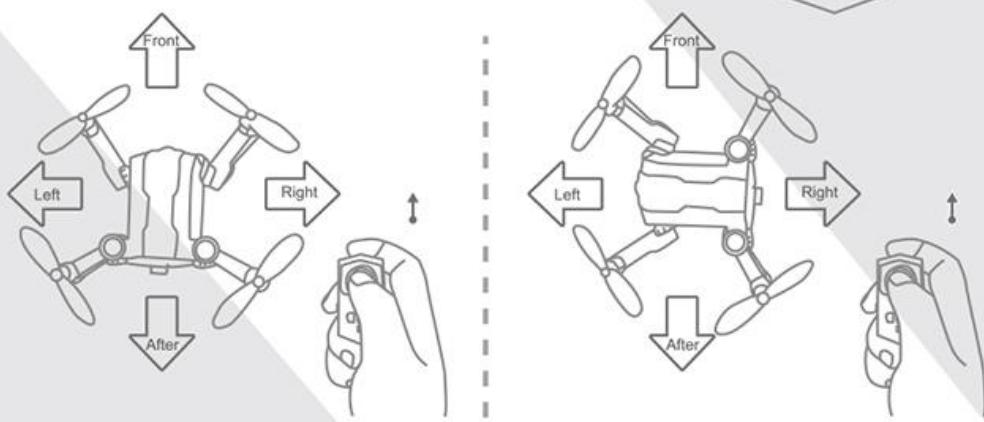
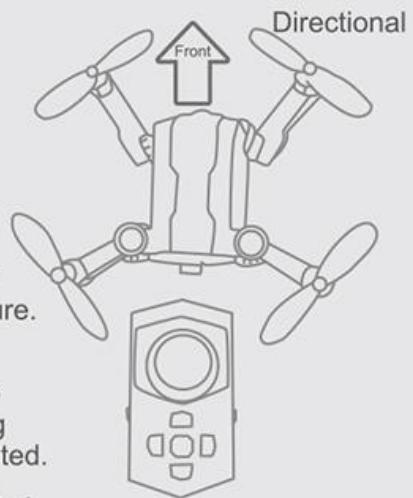
1. Installing the Transmitter. For easy operation, slip your middle finger into the transmitter ring (refer to the picture).
2. Turn on the transmitter.
3. Turn on the drone.
4. Pairing: place the drone on a flat level surface and do not move it (the drone indicator lights will flash fast). The drone indicator lights will start flashing slowly indicating that it has entered pairing protocol. Wait until the drone indicator lights will turn solid indicating successful pairing.
5. Arming Motors: arm the motors by pushing the throttle stick fully up and the drone motors will start slowly spinning. At this stage the drone is ready to fly.

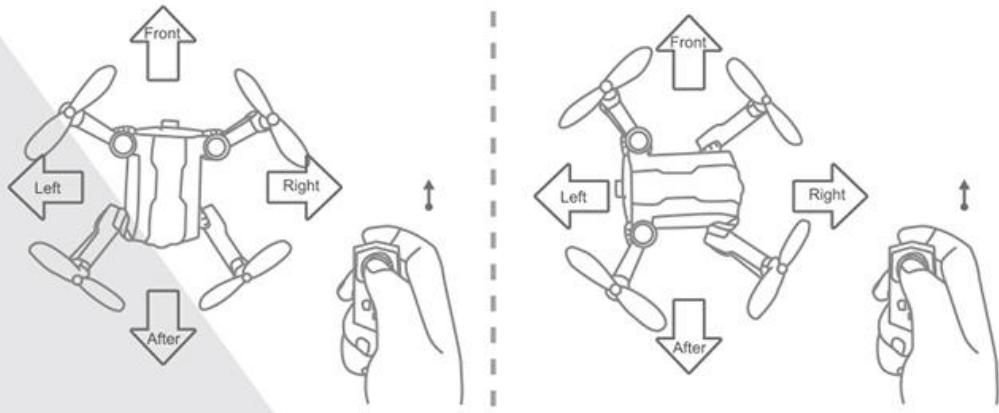


Notice: It is recommended to fly the drone at 1 meter above the ground as the drone barometer can be affected by the air pressure and the drone may become unstable. During the pairing procedure do not move the throttle stick, otherwise the drone and the transmitter will not pair. Make sure the transmitter is held parallel to the horizontal plane before turning it on.

### HEADLESS MODE:

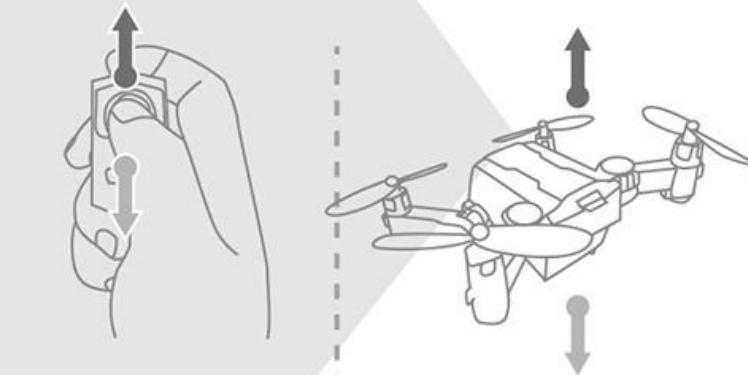
- ★ Setup: after the drone and the transmitter are paired, the front of the drone is by a default set as the forward direction for headless mode. Press the headless mode button and the transmitter will emit one beep. The drone's indicator lights will start flashing slowly indicating headless mode is activated. If the forward direction deviation occurs, please repeat the pairing procedure.
- ★ Headless mode deactivation: press the headless mode button again and the transmitter will emit two beeps. The drone's indicator lights will stop flashing and turn solid indicating headless mode is deactivated.



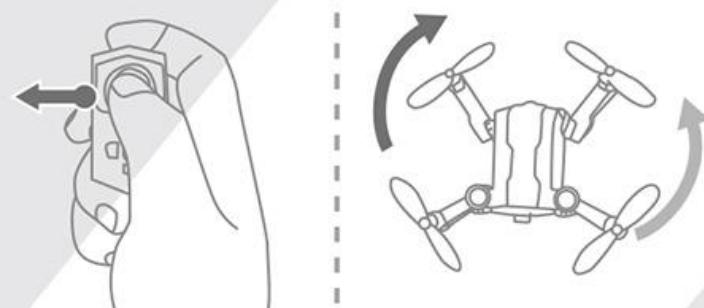


When flying in the headless mode, it does not matter in which direction the front of the drone is facing. It will fly forward/backward/right/left relative to the position of pilot (refer to the pictures above).

#### DRONE CONTROL INSTRUCTIONS:



When the throttle stick is moved up /down the drone will ascend/ descend.



When the throttle stick is moved left /right the drone will rotate to the left/right.

## USE AND STORE

- Do not use batteries which plastic packaging was damaged.
- When the product is turned on, do not insert or remove the battery.
- Do not allow the battery to excessive physical shock.
- Do not use the expansion, leakage, breakage, or emits an odor of the battery.
- Children contact with battery is prohibited.
- Do not put battery into the fire, avoid contact with liquid, the model can't be exposed to the rain, and should not be placed in the damp place.
- Do not put battery in a microwave oven or pressure tank.
- Please do not remove the battery or cut, drill. The battery or charger can not carry heavy things. Do not knock the battery.
- Do not use solvents, alcohol, or other flammable solvents to clean the charger.
- Prevent the short circuit. Avoid direct contact with electrolytic material of the battery, electrolytic material and electrolytic steam is harmful to the body.
- Store products under greenhouse. Please do not put product in extreme temperatures. Avoid the temperature of storage has important changes.
- Please do not place the product in the heat source.
- When not using, take away the battery.

## FCC STATEMENT

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 or more 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

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

Hereby, [SHANTOU CITY YONGDALI TECHNOLOGY INDUSTRIAL CO., LTD.], declares that this [AG-05] is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

Name of manufacturer:SHANTOU CITY YONGDALI TECHNOLOGY INDUSTRIAL CO., LTD.

Address:ZHONGTAI 3rd ROAD, CHENGHUA ST., CHENGHAI DISTRICT, SHANTOU, GUANGDONG OF CHINA Contact person:hua zun Lin

Tel:13500136866

frequency band: 2405-2438MHz

the maximum RF Power: 8.36dBm

**WIFI**

Download APP  
APP download address



Android QR code   IOS Apple QR code   Google QR code

**WiFi real time FPV instructions**

It is recommended for the beginners to fly the drone within 10 meters range. You can extend the range as your skill improves.

- ① Scan the QR code according to your mobile phone operating system (IOS or Android). Download the APP.
- ② Enter your smart phone's settings and activate WiFi. Connect to the drone.
- ③ Enter the APP. Click on the PLAY button and the application will enter controlling interface. Real time video streaming should appear on the controlling interface indicating successful connection.

**IMPORTANT: BATTERY INFORMATION:**

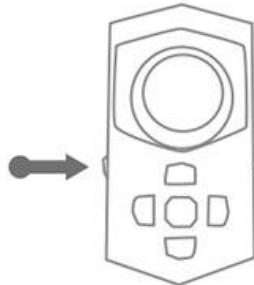
- The use of lithium-ion batteries has certain risk, it may cause personal injury, or property damage. The user should bear all the responsibility. The manufacturers and dealers can't control batteries (charge and discharge and storage, etc.). Also can't be responsible for any personal and property losses.
- If the battery leakage, please avoid liquid from touching skin and eyes. If touched the skin, please wash immediately with soap and water. If touched eyes, please immediately flush with plenty of cold water and seek immediate medical attention.
- If the charger appear suspicious odor, noise, or smoke, please pull out the power supply immediately.
- Please strictly comply with the following requirements, otherwise it will cause fire, electric shock or explosion.

**CHARGER AND CHARGE**

- Use only factory supplied charger. Before cleaning the model, make sure the model is disconnected from the charger.
- Do not charge or use the swelling, leaking or damaged battery.
- Do not overcharge the battery. When the battery are fully charged, pull out the charger. After charge complete, do not recharge to avoid overheat.
- Do not charge near combustible or flammable (carpet, wood floor, solid wood furniture, etc.) or on surface of conductive objects. Should observe the battery at any time.
- Don't charge when the battery is still hot.
- The temperature of the battery should be between 0°C and 40°C.
- Pull out the charger when not charging.

**RECYCLE**

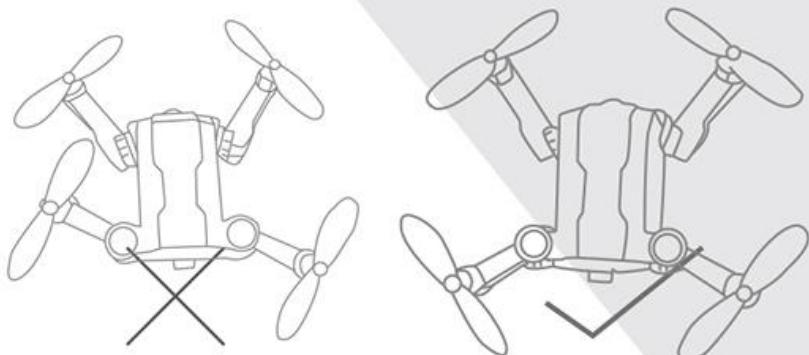
- Not handling the product as a daily garbage. The discarded battery should be placed in a special designated container.
- The products consists of electronic element and batteries. With regard to discarded electrical and electronic, please handle it according to the special requirements.
- Please be familiar with the local waste treatment.



When the drone is in a stable hovering position, the transmitter can be handed to another pilot. Press the lock mode button and the drone will be disarmed while in the air. Hand the transmitter to another pilot. To arm the drone press the lock mode button again and the drone will enter normal flight mode.

### ATTENTION:

- To avoid injuries, it is recommended to maintain the safety distance between the drone and a pilot or other people.
- Low transmitter battery voltage will reduce the control distance. Low drone battery voltage will cause the drone to lose altitude. It is recommended to recharge transmitter battery after the transmitter starts emitting double beeps, indicating the transmitter battery is low.
- If the drone indicator lights start flashing slowly (indicating low battery voltage), please immediately land the drone and recharge the battery. Avoid auto-landing situations.
- If the drone is damaged, please repair it immediately. If the blades brake off or become damaged, please stop flying the drone as it can cause unintended injuries.
- Avoid crashing the drone or allowing it to drop from high altitudes. It may cause drone damages or reduce the drone's lifetime.
- If the drone suffers a heavy crash, please check foldable arms to be sure they are not deformed or loose. Insure the arms are fully unfolded, otherwise it may cause the drone to be unstable (refer to the images below).

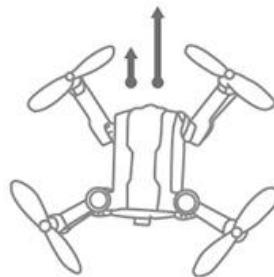


- If the drone suffers a heavy crash, it may activate the overflow protection. Push the throttle stick fully down and wait until the drone indicator lights will start flashing slowly. Push the throttle stick fully up and the drone overflow protection will be deactivated.

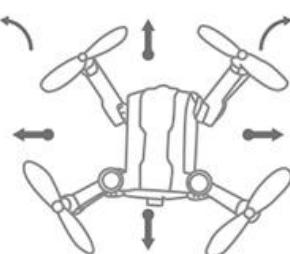
Slowly push the throttle up until the drone takes off and starts hovering

**ATTENTION:** in the air. If the aircraft quickly drifts to one direction, please activate the trimming mode to adjust trims position.

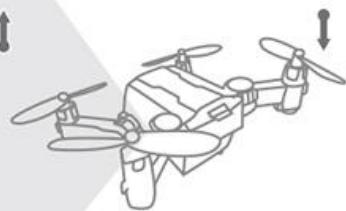
**Notice:** Avoid flying the drone at the height of 30cm or below, otherwise the drone will be caught in its own vortex which may cause the drone to be unstable (ground effect). The lower the drone flies the more sensitive it becomes to the ground effect.



Short press on the speed mode button and the drone will change its speed from slow to fast or from fast to slow.



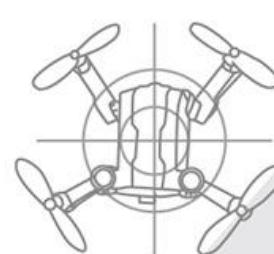
To activate trimming mode, press the trim button, then adjust the forward/backward/left/right trims position (refer to the page number 2).



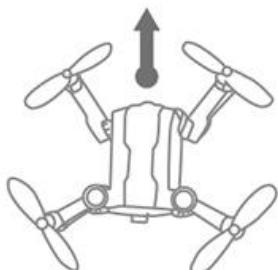
Press the auto take-off button and the drone will slowly ascend.



Press the headless mode button and the drone will enter headless mode.



Press the balance calibration button and the drone will enter balance calibration protocol. It is recommended to perform the balance calibration after crashes if the drone begins to be unstable.



Slope the transmitter forward and the drone will fly forward



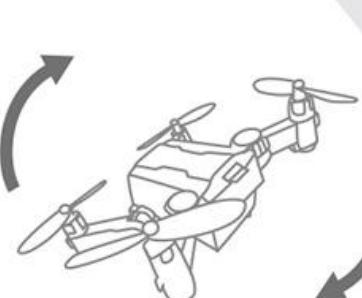
Slope the transmitter backward and the drone will fly backward.



Slope the transmitter left and the drone will fly to the left.



Slope the transmitter right and the drone will fly to the right.



Press the 3D stunt button, then move the transmitter quickly in the direction for which 3D stunt is desired.