

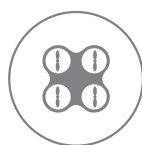
USER MANUAL



RGB LED Lights



1-Key Lift/Land



Altitude Hold



Headless Mode



360°Flips



High-Speed Rotation



Modular Battery



3 Speed Modes



4 Lights Modes



2.4Ghz

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WELCOME!

Welcome and thank you for your **HELIWAY** drone purchase!

Please read this Disclaimer & Warning and Safety Precautions carefully before operation.

1. This drone is not a toy. It's suitable for experienced RC drone users aged 14 years and older.
2. By using this product, you hereby agree to this disclaimer and signify that you have read it fully. You agree that you are responsible for your own conduct and any damaged caused while using this product, and its consequences. You agree to use this product only for purposes that are proper and in accordance with local regulations, terms and all applicable polices and guidelines **HELIWAY** may make available.
3. When using this product, please be sure to strictly abide by the specification requirements and safety guidelines stated in this document. Any personal injury property damage, legal disputes and all other adverse events caused by the violation of the safety instructions or due to any other factor, WILL NOT be **HELIWAY**'s responsibility

- ❖ Please use only original **HELIWAY** parts and accessories.
- ❖ Please keep the packaging and this user manual for future reference.

SAFETY PRECAUTIONS

This product is not a toy and suitable for experienced RC drone operators aged 14 years and older.

It contains small parts, and should be kept out of reach of small children.

1. The flying zone must be legally approved by your local government.
2. Keep your drone away from heat and prolonged exposure to direct sunlight to avoid damage.
3. Avoid moisture. Humidity and water can damage your drone, which in turn may cause accidents.
4. Please be sure that all the propellers are undamaged and are installed in the correct orientation.
5. Please operate your drone as your skill level allows. User fatigue, impairment and improper operation can cause accidents.
6. Do not touch propellers, motors or other moving parts while your drone is on.
7. Please don't use this product to follow any moving vehicles.
8. Please flight the drone back to you as soon as possible when the battery is running low.

Flight Environment



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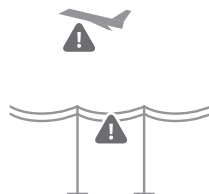
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Fly in Open Areas

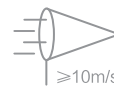
Maintain Line
of Sight

Fly Below
197 feet (60m)



Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airport or bodies of water.

DO NOT fly near strong electromagnetic sources such as power lines and base stations as it may affect the on board compass.



DO NOT use the drone in adverse weather conditions such as rain, snow, fog and strong wind.

LI-PO BATTERY CARE

Avoid Overheating

Your batteries will sometimes be warm/hot to the touch after use. This is normal, but beware that battery components will fail if not allowed to cool down between same battery use. Also, do not charge when the battery is still hot.

Store Properly

1. Store batteries at room temperature, between 5°C/40°F and 27°C/80°F.
2. If the device is not going to be used for an extended period of time, remove batteries to prevent potential damage from battery leakage.
3. Please do not leave batteries exposed to direct sunlight.
4. Please keep dead batteries away from heat and fire.
5. Do not immerse the batteries in water or allow it to get wet.
6. Please keep battery out of reach of children or pets.

Use Carefully

1. Please ensure batteries are fitted in the correct orientation as shown in the manual. Incorrect installation of the battery may cause a short circuit and explosion hazard.
2. Please use the USB charging cable that comes with the drone to charge.
3. Leave time between charging and using the battery.
4. To extend the lifetime of the battery, always keep about 20% of the power remaining in the drone battery. (rather than completely draining it)
5. DO NOT overcharge the battery, never charge batteries unattended, and stop charging as soon as your batteries indicate they are charged.
6. DO NOT attempt to charge batteries that appear damaged in any way. (cracking, swelling, discoloration, etc.)
7. Please use genuine factory parts and replacements from us.
8. Please do not short-circuit the battery by connecting wires or other metal object to the positive(+) and negative(-) terminals.
9. Please do not connect the battery directly to wall outlets or car cigarette lighter sockets.
10. DO NOT charge on surfaces that can catch fire. (wood, cloth, carpet, etc.)
11. Check your battery and connections after every crash.
12. If the battery is pushed beyond its limits, the battery could get hot and the performance will drop. If it is sealed, the air inside will inflate rapidly causing further heating.
13. If you feel a battery isn't charging properly, try using another charger if possible.



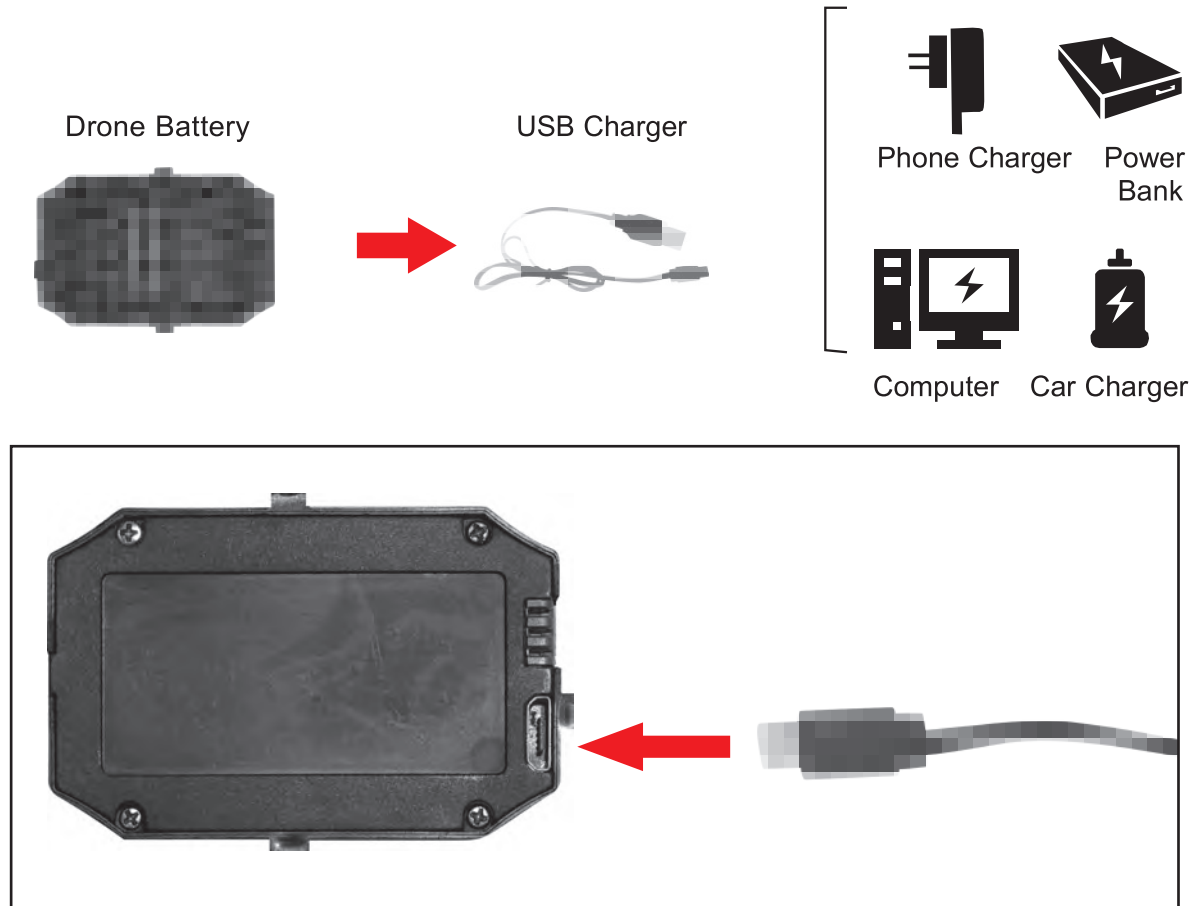
LI-PO BATTERY DISPOSAL & RECYCLING

Do not put lithium-polymer batteries in household trash.
Please contact your local waste management agency or Li-Po
battery recycling center for more info.



DRONE BATTERY CHARGING

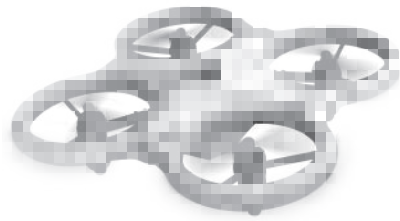
1. First, attach your USB cable to the drone battery, then connect it to your preferred charging source.
2. When the battery is charging, the USB indicator light will be off. When the battery is fully charged, the USB indicator light will appear. The battery charging time is around 120 minutes.



DO NOT plug the battery cable into the battery charger upside down. This will render the charger inoperable.

WARNING:
DO NOT LEAVE BATTERY
CHARGING UNSUPERVISED

BOX CONTENTS



DRONE



TRANSMITTER



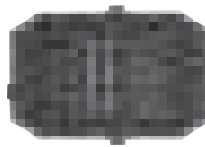
Screwdriver



Spanner



USB CHARGE

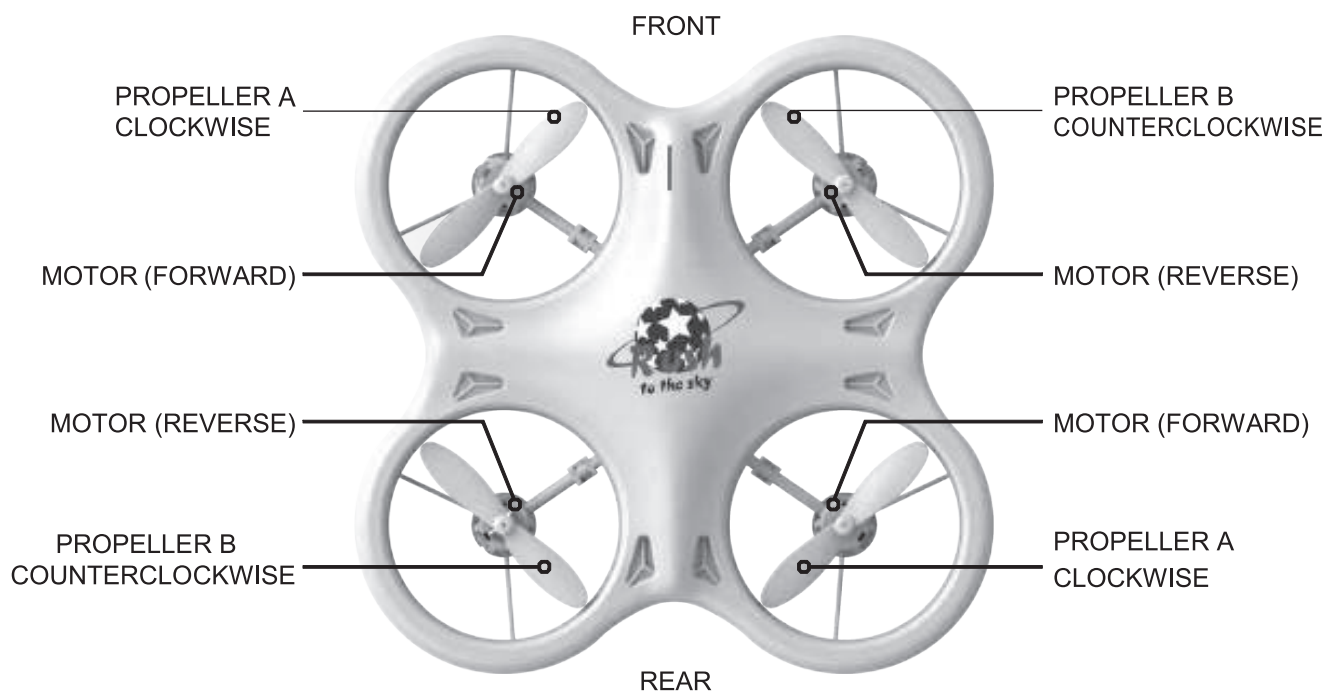


3.7v 660mAh
LIPO
BATTERY (2)



PROPELLERS (4)

DRONE OVERVIEW



TRANSMITTER OVERVIEW



TRANSMITTER BATTERY INSTALLATION

Open the battery cover and insert 3 AAA batteries as shown below (not included).



CAUTION:

- The transmitter needs 3 AAA batteries to work
- Insert batteries in correct polarity (+) and (-)
- Don't mix old and new batteries
- Don't mix alkaline, standard (carbon-zinc) and rechargeable (nickel-cadmium) batteries
- Remove rechargeable batteries before charging
- Only charge batteries under adult supervision
- Remove spent batteries from the transmitter

DRONE ASSEMBLY

BATTERY INSTALLATION

1. Connect the 3.7v lithium battery to the power port on the drone (Fig. 1).

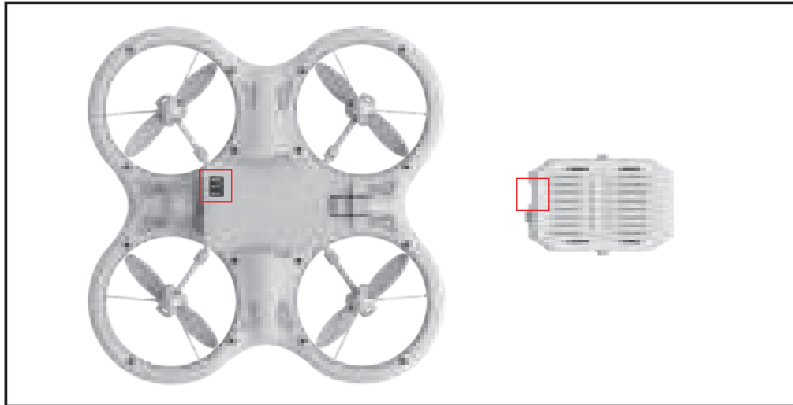


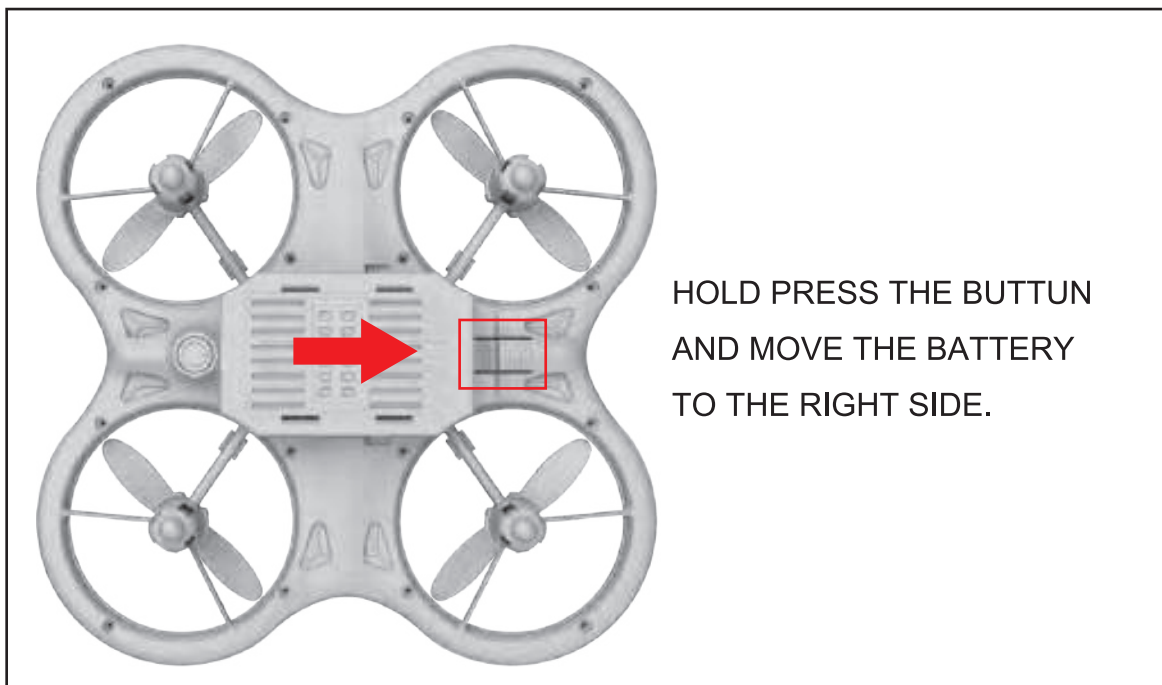
FIGURE 1

CAUTION:

Install the battery firmly; failure to do so may affect flight safety.

BATTERY REMOVAL

Make sure the drone power switch is in the “OFF” position.
Disconnect the battery from the drone.



PROPELLER INSTALLATION/REMOVAL

- To remove propeller, lift upwards on propeller until it snaps off (Fig. 2)
- The replacement propeller should have the same rotational direction; place on the correct motor pin, and apply pressure until it snaps into place (Fig. 3)

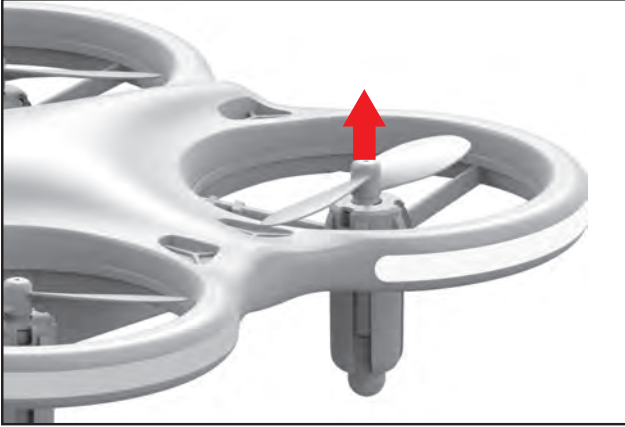


FIGURE 2



FIGURE 3

NOTE

- Be sure to install the correct propellers matching A and B (Fig. 4)

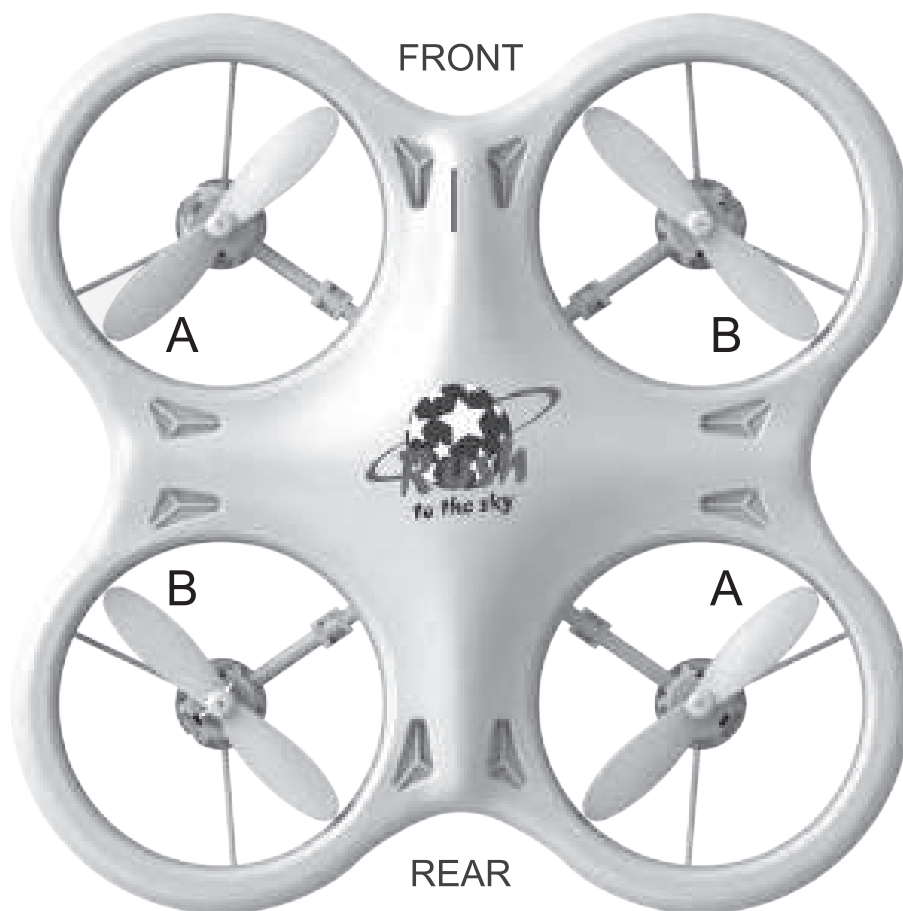


FIGURE 4

QUICK-START GUIDE

- Insert the drone battery. Turn on the drone and place it on a flat surface; drone lights will flash quickly.

- Turn on the transmitter, it will beep once and the light flashes quickly (Fig. 5).

- Automatic linking. After the drone and the transmitter match the frequency, the light of the transmitter will normally on.



FIGURE 5

- The drone is ready to fly. See the Preflight Checklist and Basic Flight Controls before operating.

NOTE:

Follow the Preflight Checklist steps below if your drone doesn't start or isn't performing properly.

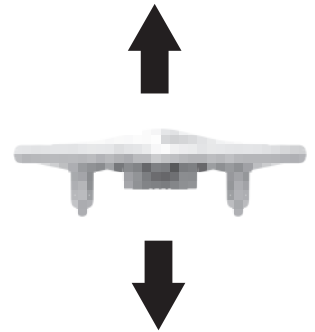
PREFLIGHT CHECKLIST

1. Fly in an open area and abide by all local and federal guidelines.
2. Make sure your drone and transmitter batteries are fully charged.
3. Always turn ON your transmitter first before flying, and turn OFF the drone first when you're finished.
4. Make sure the connection is solid between your battery and motor; vibration may cause loosening.
5. Make sure the propellers are installed correctly and the motors are working normally after unlocking.

FLIGHT CONTROLS

HOVER UP AND DOWN

Push the THROTTLE STICK up to fly the drone up, and pull the THROTTLE STICK down to fly the drone down.



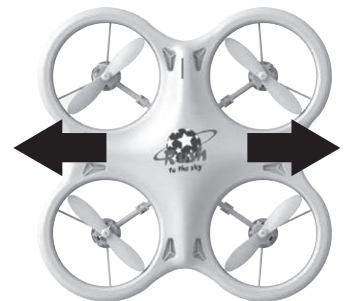
FLY FORWARD OR BACKWARD

Push the DIRECTION CONTROL STICK up to fly the drone forward, and pull the DIRECTION CONTROL STICK down to fly the drone backward.



FLY LEFT OR RIGHT

Move the DIRECTION CONTROL STICK to the left to fly the drone to the left, and move the DIRECTION CONTROL STICK to the right to fly the drone to the right.



ROTATE LEFT OR RIGHT

Move the THROTTLE STICK to the left to rotate the drone to the left, and move the THROTTLE STICK to the right to rotate the drone to the right.



TRIM ADJUSTMENTS

Long press to direction trim adjustments: When your drone drifts in an unwanted direction, long press the DIRECTION TRIM button (Fig.6/7) and move the direction stick to make the adjustments.

FORWARD/BACKWARD TRIM

When the drone drifts forward while flying, press and hold the DIRECTION TRIM button and push the direction stick on the right downward.

When the drone drifts backwards while flying, press and hold the DIRECTION TRIM button and push the direction stick on the right upward.



LEFT/RIGHT TRIM

When the drone drifts left while flying, press and hold the DIRECTION TRIM button and push the direction stick to the right.

When the drone drifts right while flying, press and hold the DIRECTION TRIM button and push the direction stick to the left.



360° FLIP & ROTATION

CAUTION:

Only execute rolls when you have plenty of airspace. The drone can only perform flips when it is at least 7 feet in the air.

Flip

Long Press the Flip/Roll button to flip the drone. The transmitter will beep twice, indicating the drone is in Flip/Roll Mode.

Next, move the direction stick up or down and the drone will flip up or down (Fig. 8). Move the direction stick to the right or left, and the drone will flip left or right (Fig. 8)



FIGURE 8

Rotation

Long press the rotation button to start the automatic rotation function (Fig. 9). If want to end the rotation, just push any rocker.



FIGURE 9

1-KEY LIFT

Place the drone on a flat surface. Press the 1-Key Lift/Land Button (Fig. 10) – the drone propellers will start spinning, and it is ready to fly. Push the left stick up to fly the drone upwards.



FIGURE 10

1-KEY LAND

Press the 1-Key Lift/Land button while the drone is aloft to land it (Fig. 10).

HEADLESS MODE

Headless Mode allows you to fly your drone without knowing its orientation, because it will be fixed in the direction you set it.

Press the Headless Mode button to enter Headless Mode before take off (Fig.11). Your transmitter will beep continuously and the drone lights will begin to flash to indicate mode selection.



FIGURE 11

You must now set the Headless Mode drone direction.

Setting Headless Mode Drone Direction

You must verify your drone's flight direction before entering Headless Mode:

- Be sure your drone is facing away from you (Fig. 12)
- Press the Headless Mode button again to set the direction
- Drone lights will stop flashing and then stay on, and the transmitter will stop beeping to indicate the direction is verified.

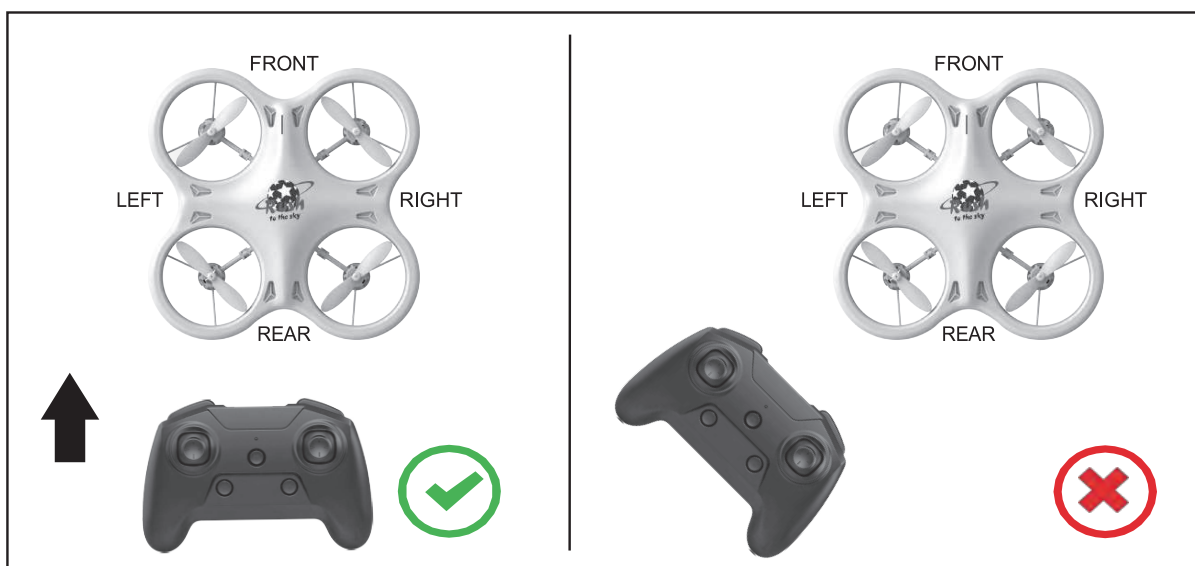


FIGURE12

NOTE: Do not change the transmitter orientation after entering Headless Mode. Otherwise, you will lose track of the set orientation (i.e., that you and your transmitter are facing “forward”)

ALTITUDE HOLD MODE

Altitude hold Mode allows the drone to maintain a consistent altitude while still allowing the operator to use normal flying functions. This function makes flying the drone much easier for beginners and allows for better aerial photography.

To activate Altitude Hold, push the left stick up or down to reach a preferred altitude, then release the stick to the center position (Fig. 13). The drone will continue to fly at the current altitude. Repeat the steps below if you want to change the drone altitude.

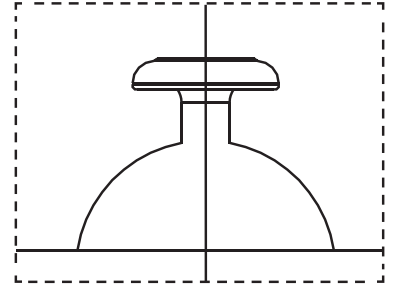


FIGURE 13

SPEED MODES

The drone has three speed modes: Low, Middle and High. To switch speed modes, press the Speed Mode button (Fig. 14). The transmitter will beep thrice to indicate that it is in High Speed Mode, twice for Middle Speed Mode or once for Low Speed Mode. The speed mode may be changed during flight.



FIGURE 14

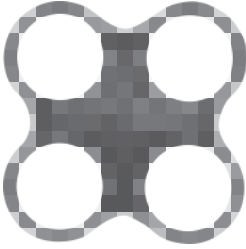
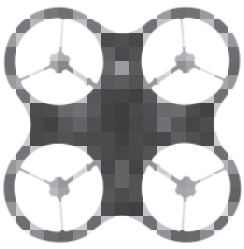
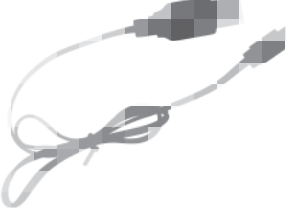
LOW BATTERY WARNING

Your drone's lights will flash and the transmitter will beep in midflight when the battery is low. This means you have 30 seconds to land your drone before you lose power

TROUBLESHOOTING GUIDE

Problem	Cause	Solution
The LED indicator on the drone flashes continuously after connecting the battery; there is no response from the transmitter.	The transmitter and drone are not paired.	Refer to pg. 11 to pair again.
The drone is not responding.	1. The drone and/or transmitter are switched off. 2. The batteries in the drone and/or transmitter are dead. 3. The batteries are not inserted properly.	1. Turn on the transmitter and drone, and ensure that the battery is inserted properly. 2. Charge the batteries; use fully charged batteries. 3. Insert the battery again and ensure that connected properly.
The motor does not respond to the throttle lever and the LED indicator on the drone flashes.	The drone battery level is too low.	Charge the battery or replace it with a fully charged battery.
The tail blades do not turn.	The blade is too close to the motor	Pull the blade upwards so that it is not too close to the motor.
The blades spin but the drone does not take off.	1. The blades are damaged. 2. The drone battery level is too low	1. Replace the damaged blade(s). 2. Charge the battery or replace it with a fully charged battery.
The drone shakes or tilts sideways during flight.	The blades are damaged.	The blades are damaged.
The drone continues to spin after making trim adjustments or the left/right yaw speed is not consistent.	1. The blades are damaged. 2. The motor is damaged.	1. Replace the damaged propeller(s). 2. Replace the damaged motor(s).
The drone keeps drifting in one direction.	The gyroscope is not calibrated properly.	Make trim adjustments to the drone after turning it on (pg. 13).

SPARE PARTS

			
Upper Cover 001	Lower Cover 002	Propellers (A/B) 003	Circuit Board 004
			
Forward Motor 005	Reverse Motor 006	Modular Battery 007	USB Charger 008
			
Blue LED 009	Green LED 010	Screwdriver 011	Spanner 012

FCC INFORMATION

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 residential 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
- Try using a different electrical outlet
- Consult the dealer or an experienced technician for help

FCC WARNING

The equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. Modifications not authorized by the manufacturer may void user's authority to operate this device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) The device does not cause harmful interference, and (2) The device accepts interference, including interference that may cause undesired operation.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



MADE IN CHINA