kogan KALEDDRNYWA LED Colour Changing Drone User Guide

kogan KALEDDRNYWA LED Colour Changing Drone User Guide

Contents

COMPONENTS LIST

No.	Part Name	Quantity
1	Drone	x1
2	2.4 GHz Transmitter	x4
3	Additional Propellers	x1
4	USB Charging Cable	x1
5	Screwdriver	x1
6	Battery	x1
7	User Guide	x1

Disposal
This marking indicates that this appliance should not be disposed with other house-hold wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.
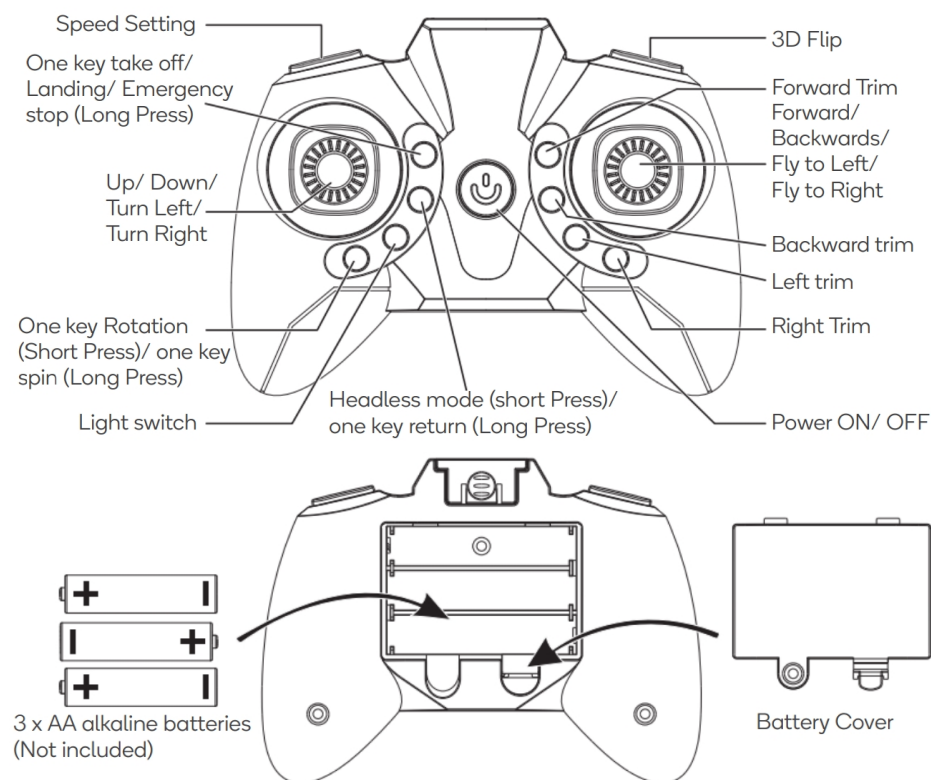
OVERVIEW

Power ON/OFF
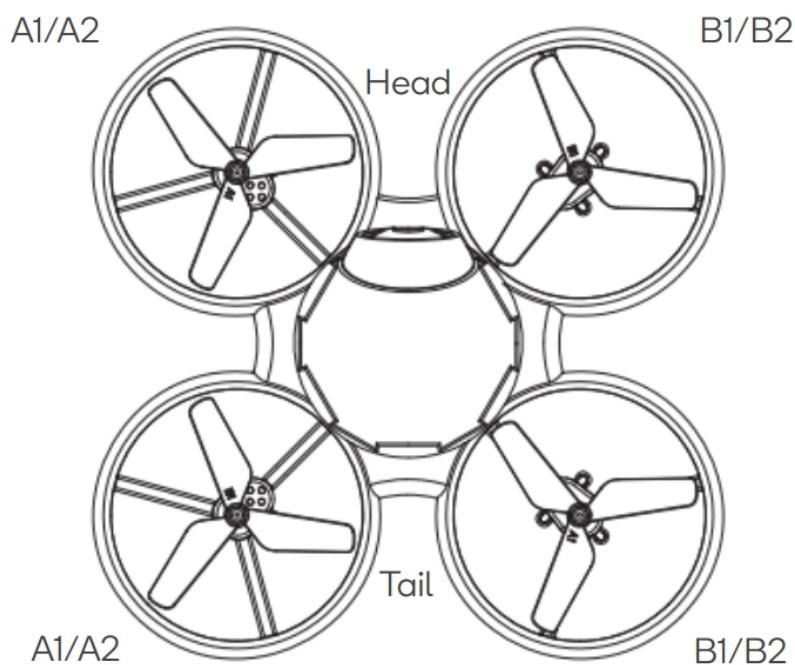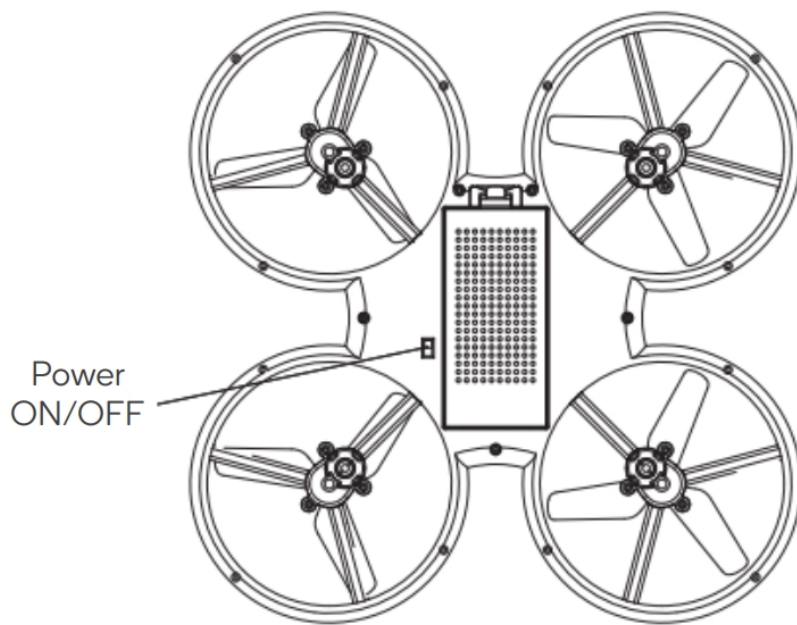
Note:
Every propeller is marked A1/A2 or B1/B2. Ensure each propeller is installed in the correct position as shown above. Otherwise, the drone will fail to take off.

Transmitter

Speed Setting

One key take off/ Landing/ Emergency stop (Long Press)

3D Flip

Forward Trim Forward/ Backwards/ Fly to Left/ Fly to Right

Up/ Down/ Turn Left/ Turn Right

Backward trim

Left trim

Right Trim

One key Rotation (Short Press)/ one key spin (Long Press)

Headless mode (short Press)/ one key return (Long Press)

Light switch

Power ON/ OFF

3 x AA alkaline batteries (Not included)

Battery Cover

Note:
Always pay close attention to battery polarity to ensure they are inserted correctly.

SETUP

Charging propellers

A1/A2   B1/B2

A1/A2   B1/B2
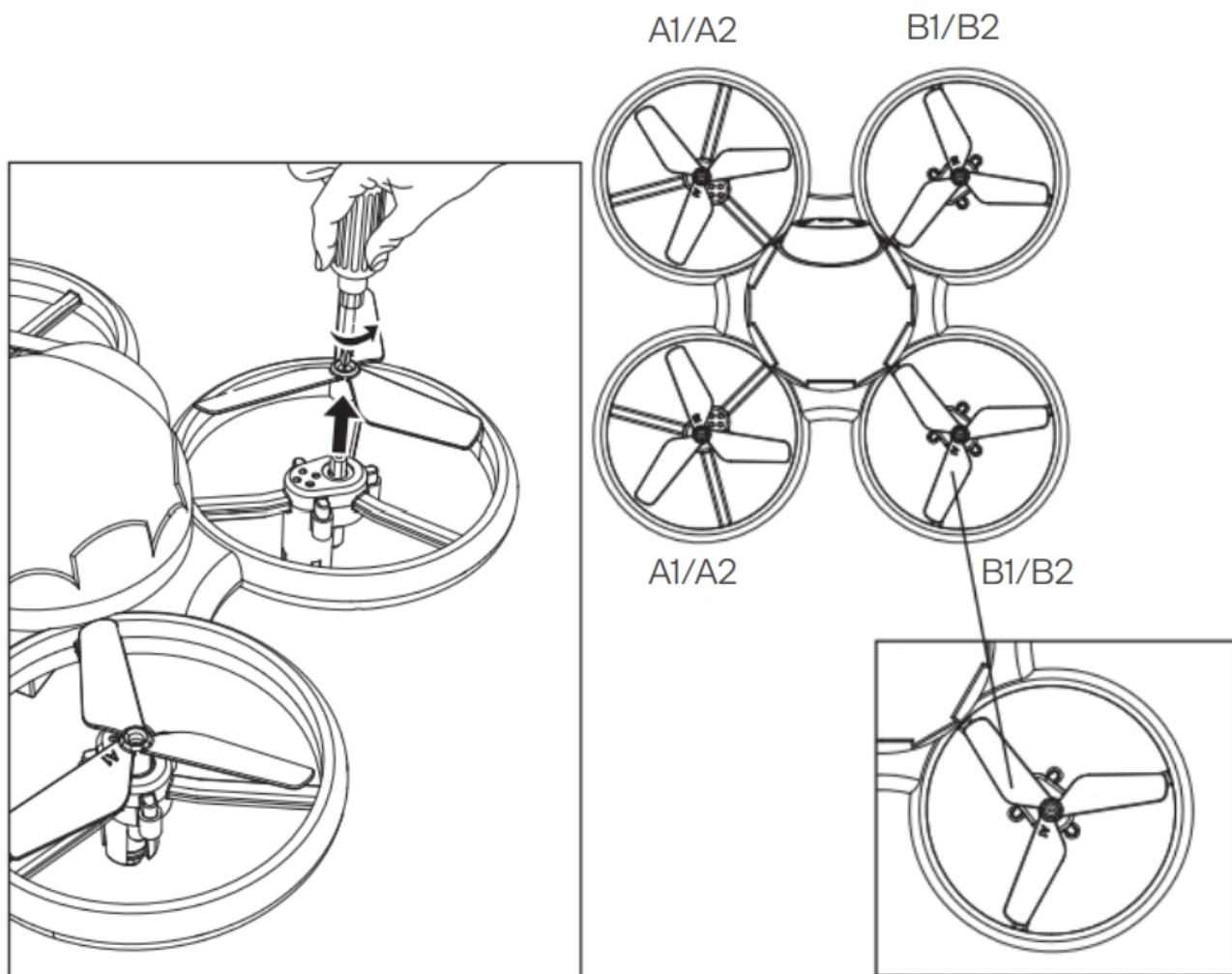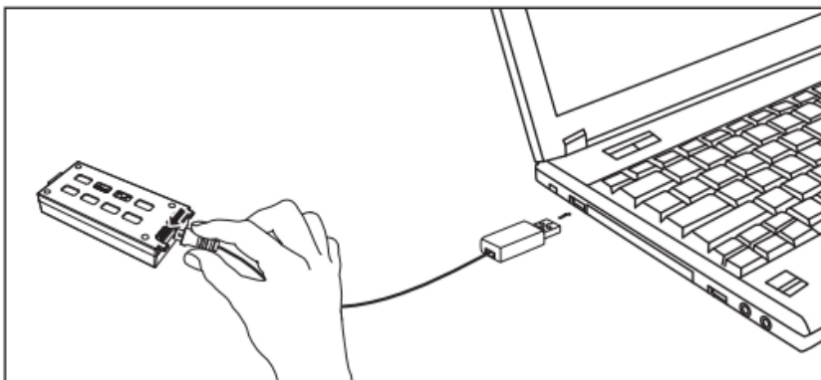
1. Use the supplied screwdriver to loosen the screw by turning it counter clockwise and then remove the propeller.

2. Install the propellers in the correct position as shown above: each propeller is marked either A1/A2 or B1/B2.

3. Tighten the screw.

Charging the drone battery

The drone's battery must be charged before it can be flown. To avoid the risk of injury or damage, ensure the drone and remote control are both powered OFF and remove the battery from the drone when charging. Charging time is approximately 80- 100 minutes. Charge fully before you use for best performance.

Connect the USB charging cable (included) to the USB port of a powered-ON computer or USB power adapter (not included), then connect the charging plug to the battery plug.
While charging, the light will display a red light.

When charging is complete, the charger light will turn OFF.

Note:

- Be sure to correctly match the plug to the charging port or damage may occur.
- Do not charge overnight. Do not leave unattended while charging.

When the drone's battery is low, the LED lights on the drone will begin blinking rapidly, indicating that the remaining flight time is 40 seconds: you need to fly it to a safe area and use the one key landing button to land it, otherwise it will drop out of the sky.

Flight Safety Information

Fly open areas   +   Maintain line of sight   +   Fly below 50m
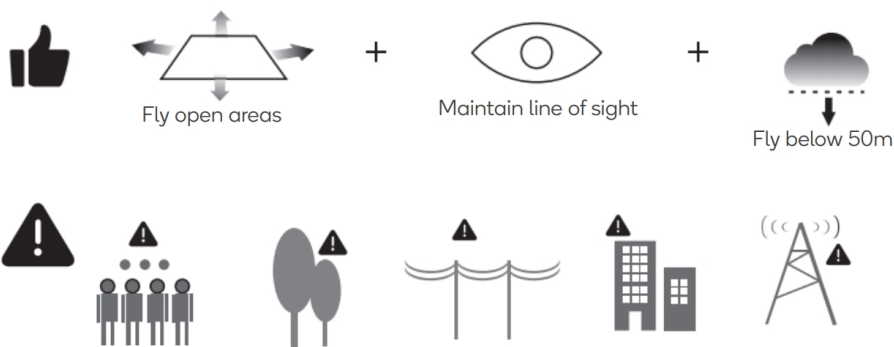
Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airports or bodies of water.
Do not fly near strong electromagnetic sources such as power lines and those base stations as it may affect the onboard compass.

Do not use the drone in adverse weather conditions such as rain, snow, fog and wind.

Stay away from rotating propellers and motors.

No-fly zone
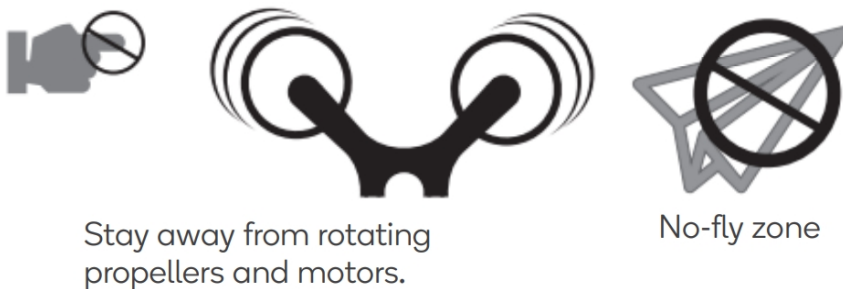
Do not use the drone in adverse weather conditions such as rainy, snowy, foggy and windy conditions.
The basic flight guidelines are imported for pilots' safety and the surroundings. Ensure you read these safety guidelines carefully and always observe them.

OPERATION

Get Your Drone Ready

- Rotating propellers can be dangerous. Do not start the motor when there are people nearby.
- If the motor is still engaged, always keep your hands on the transmitter.

Drone Pairing


Horizontal position

Head
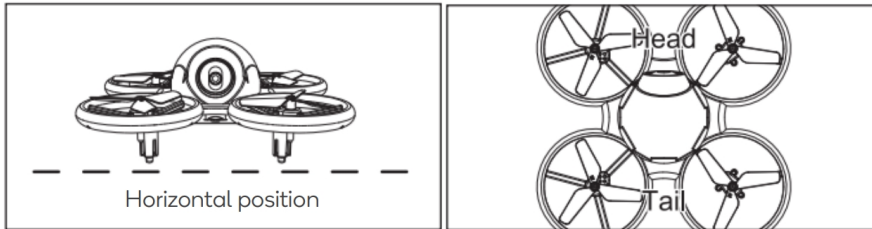
Tail

1. Power on the drone and place it on a flat surface with the tail facing towards the pilot. The lights on the drone will blink as it searches for a signal from the transmitter.
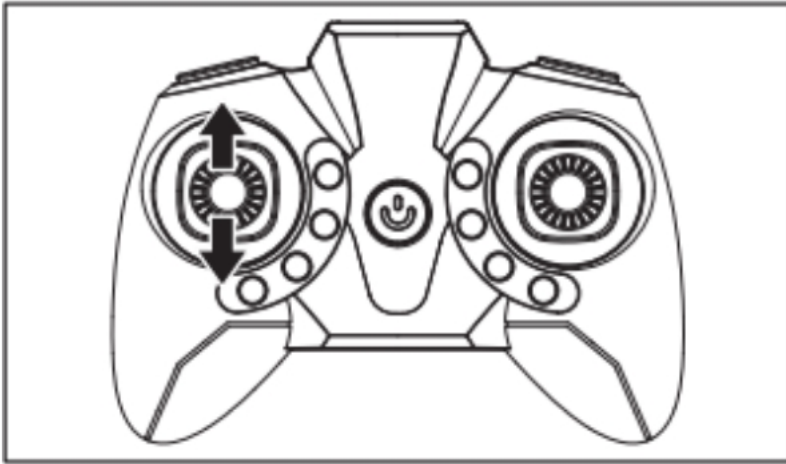
2. Turn on the transmitter, push the left control stick fully forward, wait for a beep to sound, then pull the stick fully back and wait for a second beep. When the indicator pattern changes, this indicates the transmitter and the drone have paired successfully.
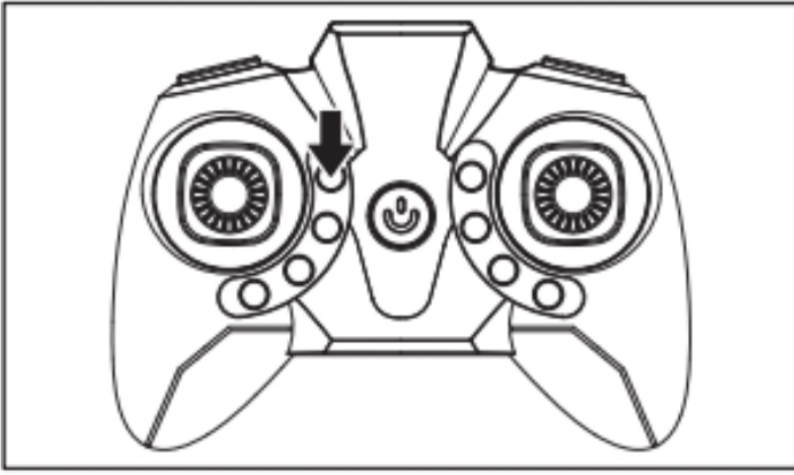
Gyro Calibration
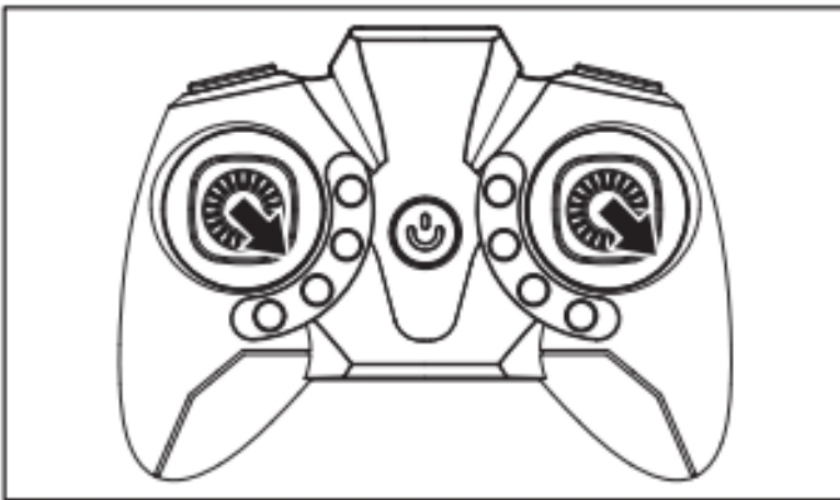
3. After pairing, pull both control sticks down and to the right for 2-3 seconds. When you hear a beep and the lights on the drone blink rapidly for 2-3 seconds, calibration is completed.
(Gyro calibration is recommended after pairing and if a crash occurs. Do not attempt to do this while flying)

Drone Takeoff

4. After pairing and calibration, press the one key take off/landing button and the drone will fly to the height of 80cm automatically. Press the take-off/landing button again and the drone will land automatically. After landing, wait for the propellers to stop spinning. Turn the transmitter off before powering off the drone. This will ensure that no signals are accidentally sent by the remote, reducing the chance of injury. After this is done, it is safe to pick up and power off the drone.

Flight Control

Push the left control stick – up or down and the drone will ascend or descend.
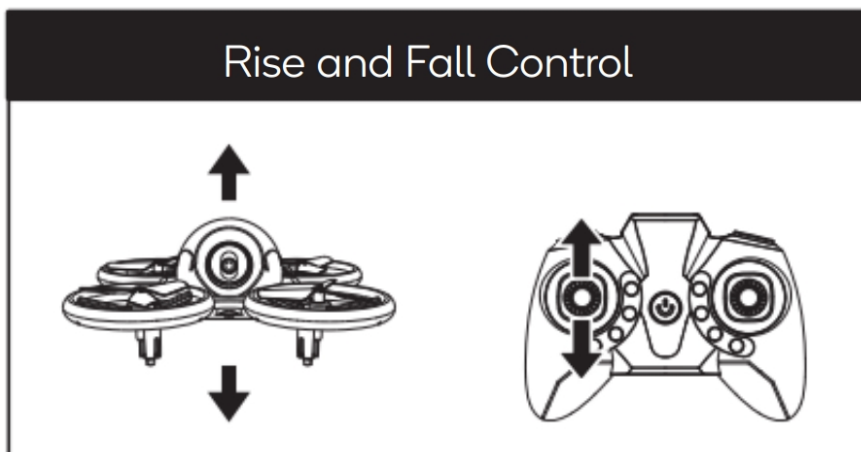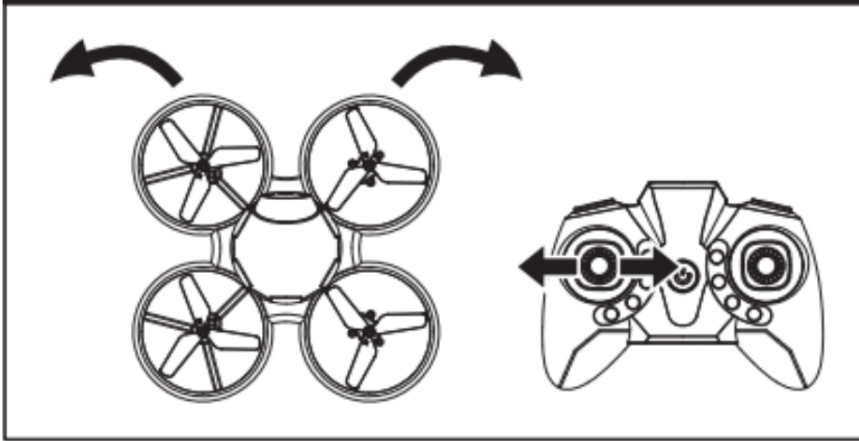

Push up or down on the right control stick and the drone will fly forward or backwards.
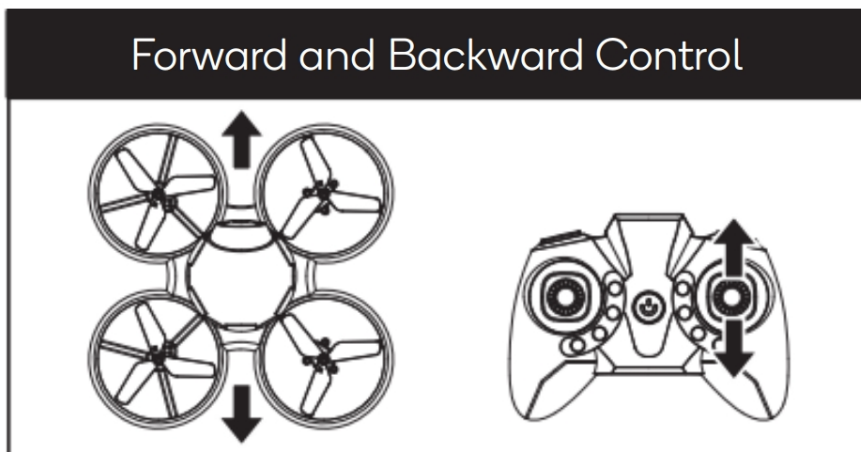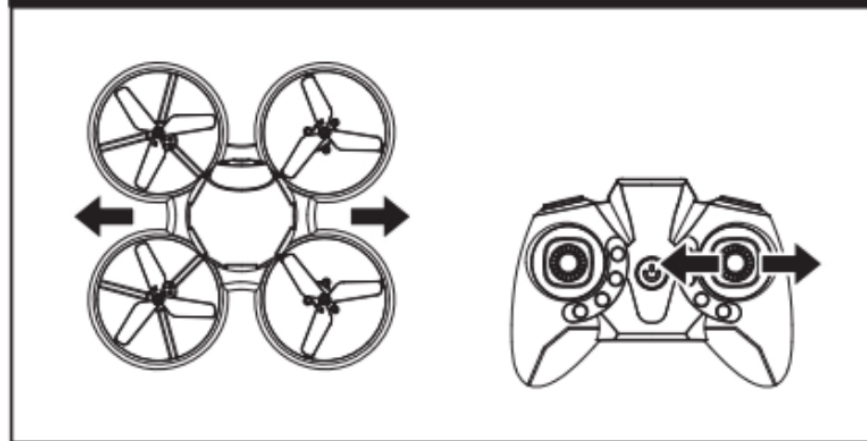

Push the left control stick left or right and the drone will turn to the left or the right.
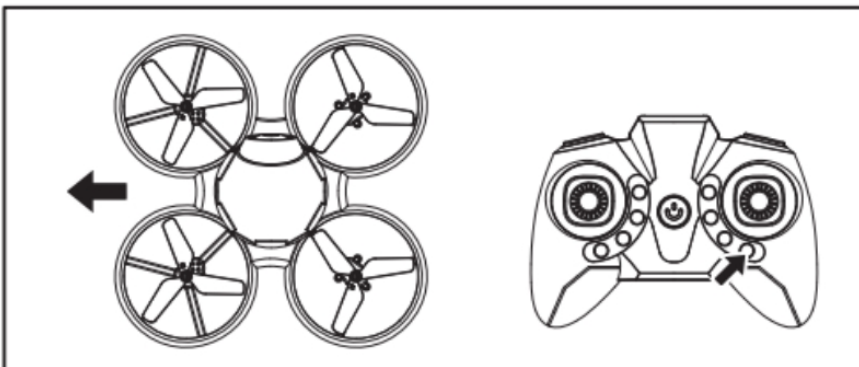
Turn Left and Right

Push the right control stick left or right and the drone will fly to the left or the right.
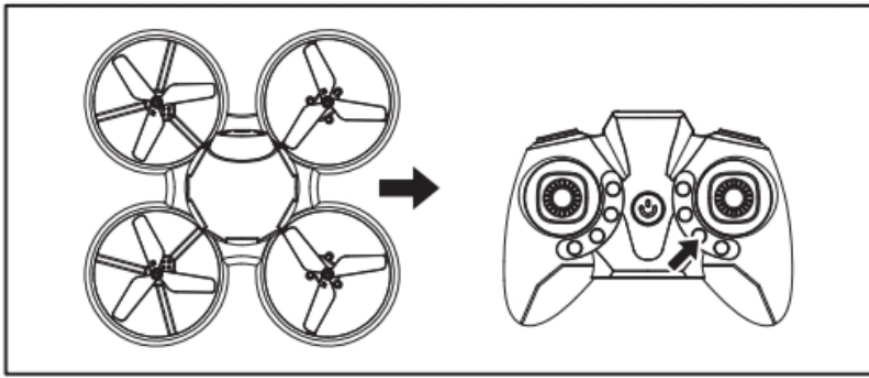
Left-Wing and Right-Wing Control

Setting trim and Countering drift

If the drone keeps drifting leftwards when hovering, press the right side-fly trimmer to adjust until it gets balanced.
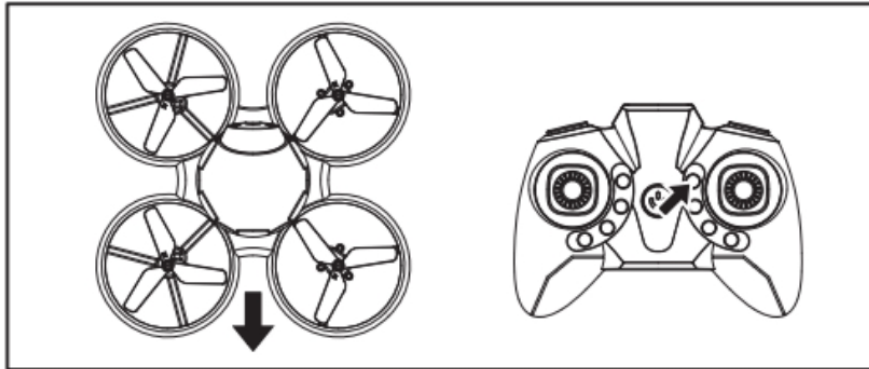
If the drone keeps drifting rightwards when hovering, press the left side-fly trimmer to adjust until it gets balanced.
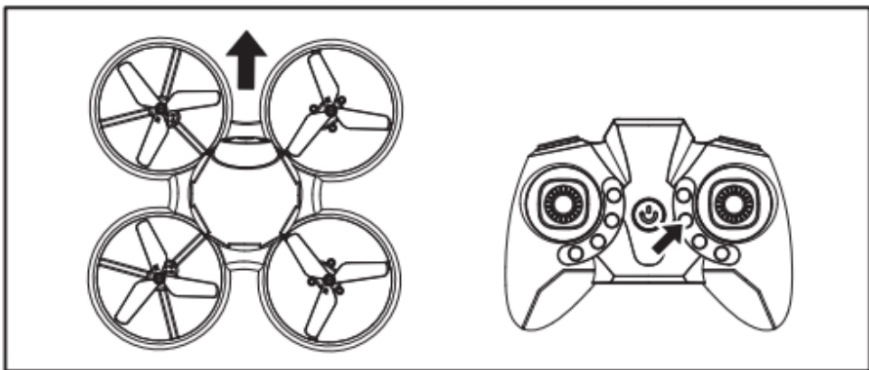
If the drone keeps flying backwards when hovering, press the forward trimmer to adjust until it gets balanced.

If the drone keeps flying forward when hovering, press the backwards trimmer to adjust until it gets balanced.


Even after the drone is calibrated, it may show a tendency to drift while airborne. Adjusting the trim will help counter this effect and allow better control of the drone; however, it will not eliminate it entirely as air currents and other factors may still cause slight drift while airborne.

Altitude Hold
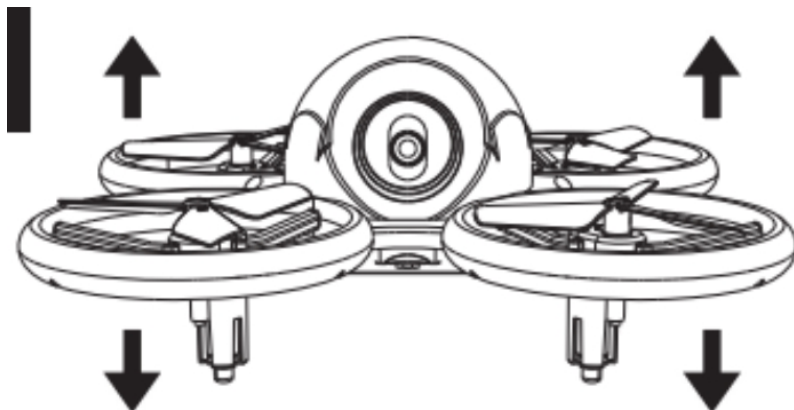
This drone is equipped with an Altitude Hold function to hover steadily in the air. During the flight, the altitude hold function allows you to release the throttle joystick and maintain its height without descending to the ground.

Light Switch
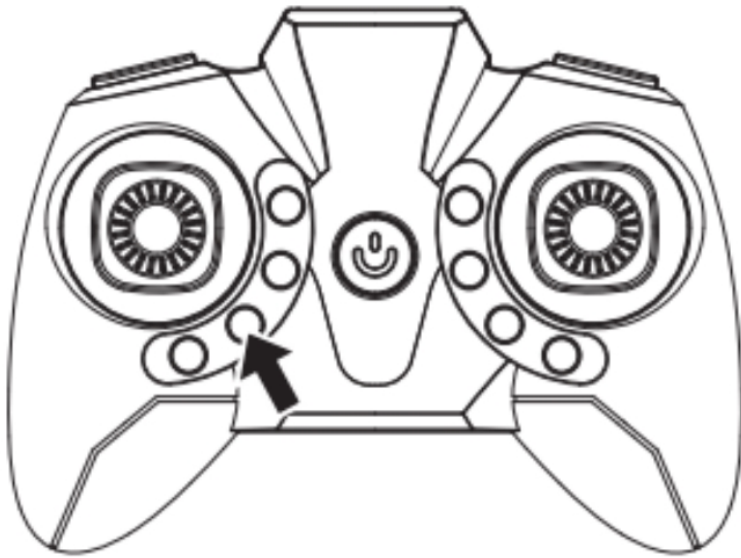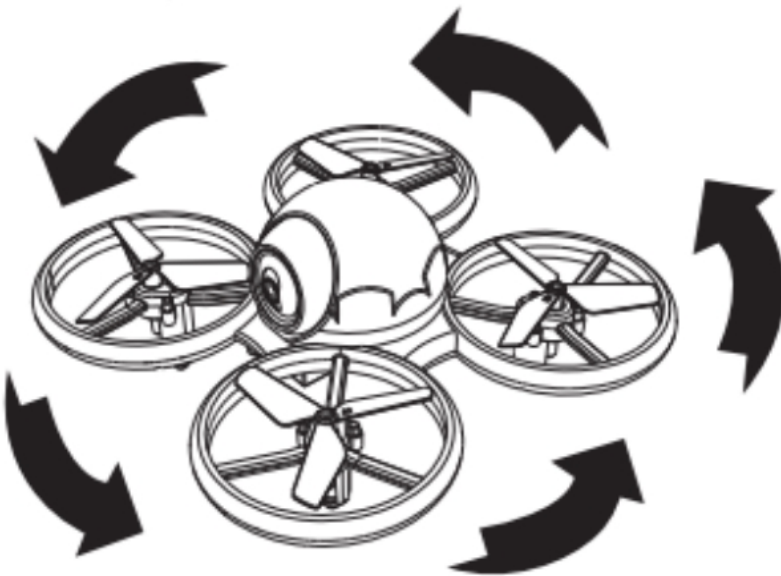

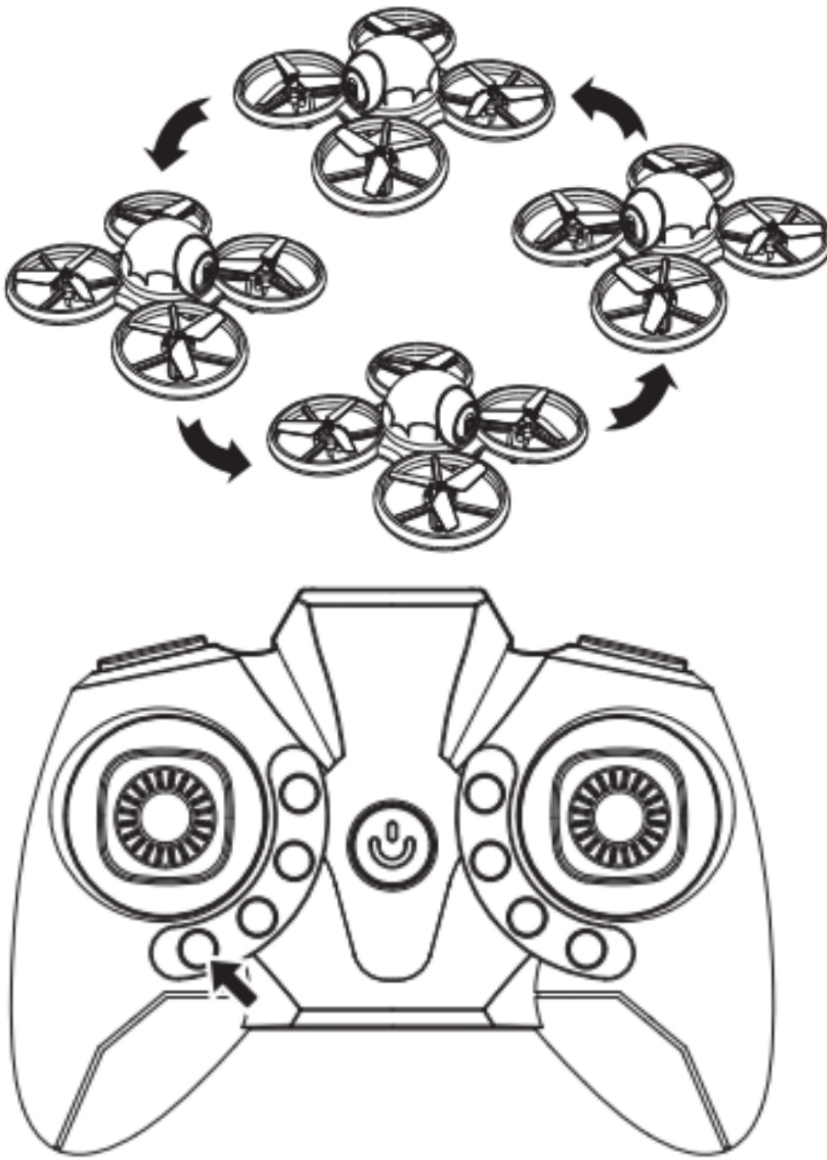Press the light switch button to turn the lights of the drone on or off.

Note:
Pair the drone before pressing the light switch.

One key rotation / One key spin

- **A.** One key rotation

- **B.** One key spin

Short press the spin button and the drone will spin in an anticlockwise direction; short press again to exit (A). Long press the spin button and the drone will spin in circles; long press to exit (B). You can use the left control stick to adjust the height of the drone while in a spin.

Note:
Before you press the spin button, please make sure you fly the drone at least 8 feet away from any objects.

Speed Setting
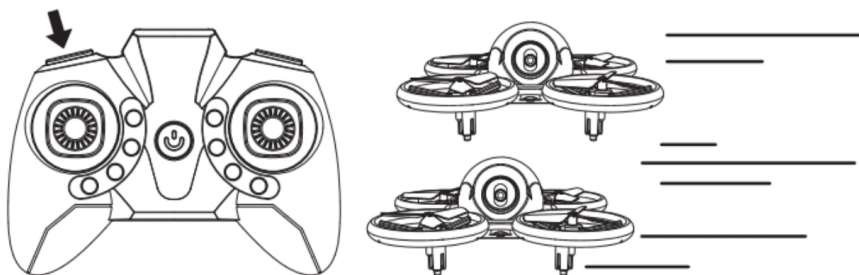
Press the Speed button on the remote to cycle through speed settings.

- **Low:** Provides smooth and predictable control of the drone. The remote will chime once to indicate the low-speed setting.

- **Medium:** The drone will move and respond faster to all control inputs. The remote will chime twice to indicate the medium speed setting.
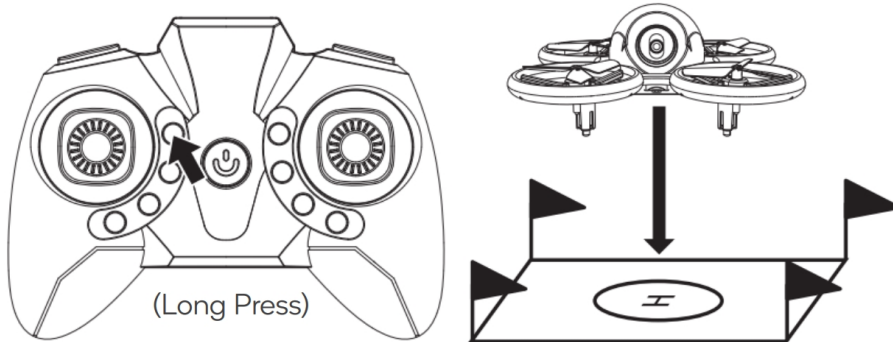- **High:** Highest setting for maximum performance. The remote will chime three times to indicate the high-speed setting.

Emergency Stop

(Long Press)

Note:
The emergency stop function should be only used in case of emergency during the flight to avoid any of damage or injury.

If for any reason you need to stop the drone, press the "Emergency Stop" button or pull the left joystick down as far as it will go: the propellers will stop spinning immediately. Ensure the ground is clear of any objects as this will command the rotor to shut down and crash land.

3D Flip Mode

Before attempting a flip, ensure that there is enough clear space around the drone, ideally 3 metres in all directions. It is not recommended to attempt to flip around or through any obstacles, as this may result in unintended damage.
Press the Flip button to activate Flip Mode and then move the Right Control Stick in any direction and the drone will perform a flip in the same direction. Press the Flip button again to deactivate without performing a flip.
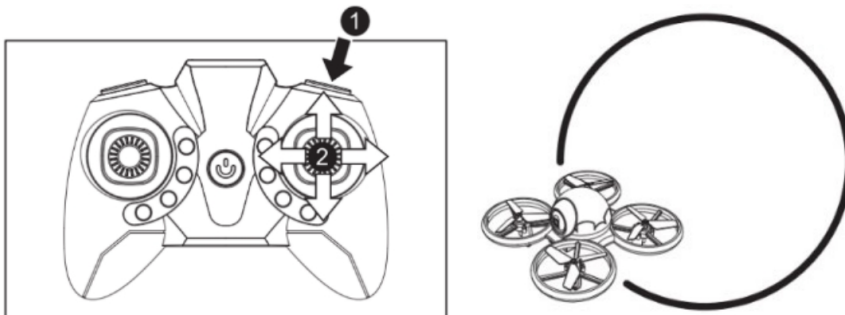
WARNING: the drone will perform these manoeuvres best with a fully charged battery.

Headless Mode

Short press
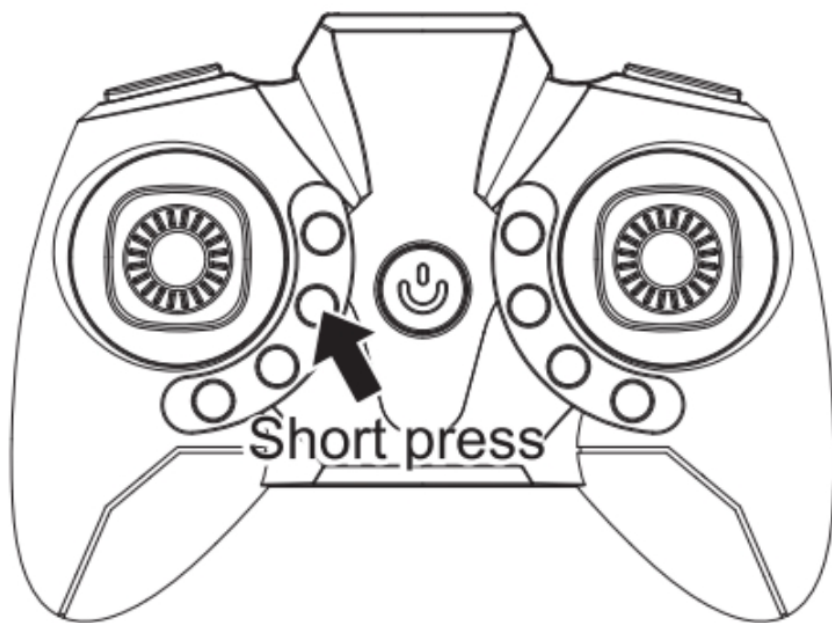
Note:
Flying in Headless Mode without sufficient experience might result in loss or damage to the device. Do not use the Headless Mode until you totally comprehend the instructions For Use.

1. Place the drone in front of the pilot before pairing the drone to the transmitter. Make sure the head of the drone faces forward and the tail faces towards the pilot.
2. After pairing and calibration, press the Headless Mode button to enter Headless Mode function. A beep will be heard from the transmitter and the red lights will slowly flash, indicates that drone is in headless mode.
3. Press the headless mode button again; you will hear a beep which indicates the drone exits the headless mode.
4. Under Headless Mode, the forward direction is the direction the pilot faces when the pilot pairs the drone with the transmitter.
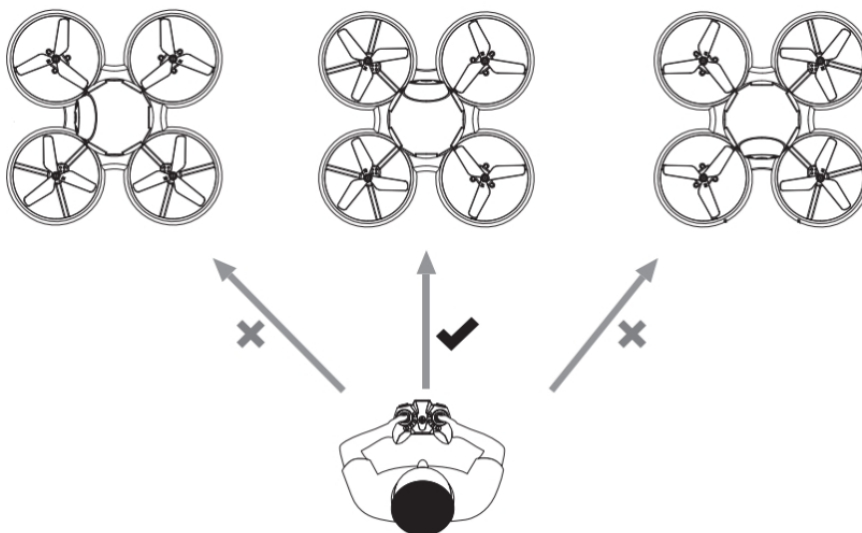

Ensure the pilot is in the same orientation as the drone head faces when the drone takes off.
The pilot must not change the direction or orientation they face; otherwise, the drone and transmitter will lose connection, causing controls to not perform as desired.

One key return

Avoid using this feature when the drone is near to the pilot, to avoid injury.

✔ Wrong Track
✘ Right Track
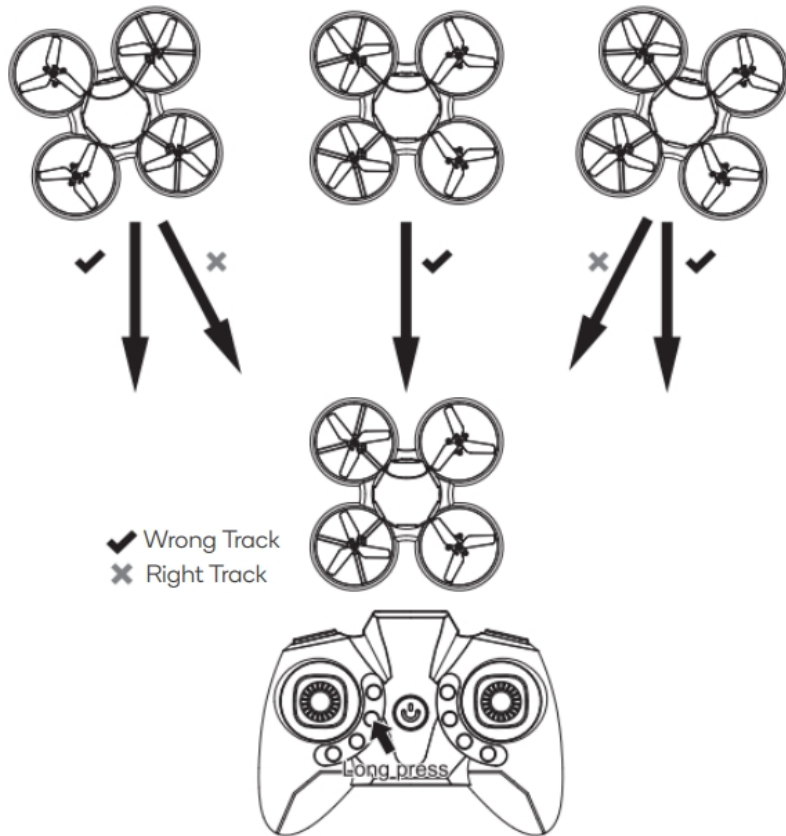
With a press of the One Key Return button, the drone will return towards the original direction of take-off.
You can rotate the right joystick in any direction to retake control of the drone and cancel the One Key Return Function.
It is recommended to use the return function when the headless mode is activated.

Note:
Please use one key return function after you comprehends these functions; otherwise, it may result in the loss and/or damage of the drone.

SPECIFICATIONS

Drone

- **Flight time:** 8-9 minutes
- **Operating temperature range:** 32° to 140°F (0° TO 40°C)
- **Dimensions:** 6.3" x 6.3" x 2.95"

Transmitter

- **Operating frequency:** 2.4GHz
- **Max transmission distance:** 200-260 feet (outdoor and unobstructed)
- **Operating temperature:** 32° to 140°F (0° TO 40°C)

Flight battery

- **Capacity:** 800mAh

- **Voltage:** 3.7V
- **Battery type:** LiPo
- **Energy:** 2.96Wh
- **Charging temperature range:** 41° to 104°F (5° TO 40°C)
- **Charging time:** 80-100mins (depending on charging power)

TROUBLESHOOTING

Problem	Possible causes	Solution
The drone does not respond to controls.	- No power to remote or drone. - Poor contact between power plugs. - The drone is out of range.	- Check remote batteries, replace if needed. - Check drone battery; be sure it is fully charged. - Be sure the power plugs are firmly connected. - Be sure the remote has an unobstructed line of sight to the drone. - Remain within the remote's 328ft. range.
The drone is difficult to control or flies erratically.	Gyroscopes may be misaligned.	Power OFF remote and drone and reconnect
Drone drifts while in flight.	Trim not set or needs adjustment.	Adjust trim settings (see pg. 10).
Drone suffers from mechanical trouble.	Damage to body, propellers or other major components.	Repair or replace parts as needed.
LED lights ON but drone does not respond to controls.	Low battery power.	Recharge the battery.

Precautions

1. The remote-control distance will be shortened when the power of the drone/transmitter is insufficient.
2. When the power of the drone is insufficient, the drone would have trouble taking off or unable to fly high.
3. Please repair the drone in time when it is damaged. Don't fly the drone when it is seriously damaged (rotor-wing breakage) or it might lead to injury.
4. Please remove the batteries or avoid the damage to the product caused by batteries leakage if you do not use the drone/transmitter for a long time.
5. Don't crash the drone from high altitude or crash it seriously or might shorten its lifetime.

Support

Need more information?

We hope that this user guide has given you the assistance needed for a simple set-up. For the most up-to-date guide for your product, as well as any additional assistance you may require,head online to **help.kogan.com**

kʊgan.com

Documents / Resources

USER GUIDE kʊgan.com LED COLOUR CHANGING DRONE	**kogan KALEDDRNYWA LED Colour Changing Drone** [pdf] User Guide KALEDDRNYWA, KALEDDRNBLA, LED Colour Changing Drone

Manuals+,