

Knowledge before flying Drone (Preflight Precautions)

1. This product is recommended for use by users over 8 years old. It is recommended that first-time users understand the manual and use it through sufficient practice.
2. The propeller of a drone rotates very fast, so it always requires attention and can cause physical and property damage. Always maintain a certain distance from the drone for your safety.
3. Manufacturers and vendors are not responsible for accidents caused by poor manipulation.
4. Fly under normal weather conditions between 10°C and 50°C.
5. If you have any questions about operation and repair, please contact your place of purchase.

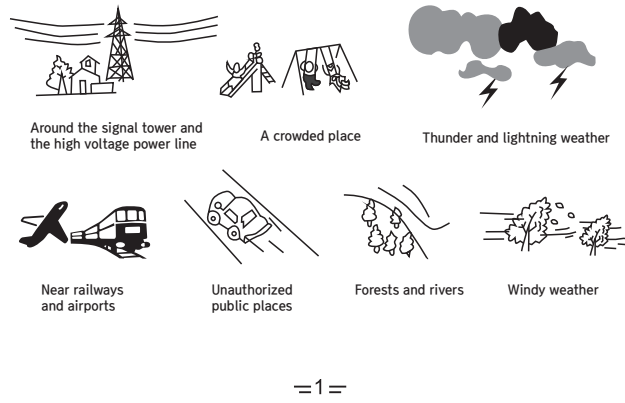
Flight Precautions

1. Please always look around before flying.
2. Fly within your field of view.
3. Children must fly under parental supervision.
4. Be careful about using frequency when using multiple Drone with other users at the same time.

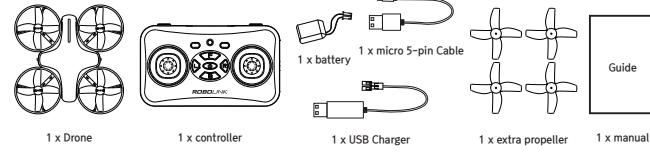
Caution

- * Be sure to check all items regularly before flying. If damaged, replace and repair before operating.
- * Be sure to charge using the charger provided.
- * Be sure to turn off the power when removing dust from the product.
- * Do not change the structure of this product.
- * Recycle batteries and battery packs or dispose of them correctly according to waste disposal rules.
- * Be sure to turn off the drone and controller when storing.
- * Do not throw or drop drone and controller.
- * Read and familiarize yourself with the instructions.

Do not fly drones in the following environments



Parts List



Component Name

No	Name	Quantity
1	CCW Propeller (B)	2
2	CW Propeller (A)	2
3	Housing	1
4	Frame	1
5	CCW Motor	2
6	CW Motor	2
7	Lithium Battery	1
8	Main board	1
9	Rubber damper	4

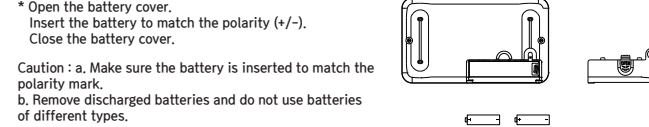
Controller

Mark	When pressed short	When pressed long
SPEED	Change speed	Take-off / Landing
LED/FLIP	Change LED color	Roll or pitch with pressing button, drone rotates 360°
RESET		Reset sensor (gyro bias, reset trim)
PAIR		Pairing
▲ F	Trim Pitch +	HEADLESS ON
◀ L	Trim Roll -	MODE 1
⬇ POWER		Turn on / off
▶ R	Trim Roll +	MODE 2
▼ B	Trim Pitch -	HEADLESS OFF

LED turned on	LED dimming	Blinking LED twice briefly
Connected	Headless - Normal	Connected
	Headless - Headless	Disconnected

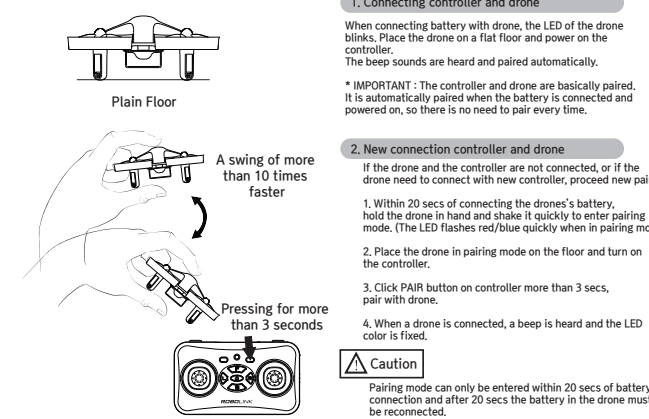
* If there is no battery in the drone, the buzzer will sound and the LED on the drone will flash.

How to put battery in controller



* Open the battery cover. Insert the battery to match the polarity (+/-). Close the battery cover.
Caution : a. Make sure the battery is inserted to match the polarity mark.
b. Remove discharged batteries and do not use batteries of different types.

Connect drone



Controller key function Guidance

1. Power on/off / reset sensor
Press and hold the power button in the middle of the controller for more than 3 secs to turn power on and off. With the drone connected, press and hold reset button to reset the drone's sensor.
2. Throttle levers & Directional levers
Once the drone is connected to the controller, you can start operating the drone. See How to Control a Drone for each lever.
3. Trim Adjustment (F/B/L/R buttons) & Change Mode 1/2
If the drone is leaning forward/back/left/right during flight, press the trim button F(Forward)/B(Back)/L(Left)/R(Right) to stabilize it. You can change the mode through the L(left) and R(right) buttons when not in flight.

4. SPEED, START/STOP
Press the button briefly to change the speed of the drone. (Step1 : Beep sound once / Step2 : Beep sound twice / Step3 : Beep sound three times)
Press and hold the button for more than 3 seconds to automatically take off and land the drone.

5. HEADLESS, PAIR
When not in flight, press and hold the F button to activate the headless mode and press and hold the B button when you want Headless off.
When not in flight, press and hold the Pair button for more than 3 seconds for pairing.

6. LED, FLIP
Press the button briefly to change the LED color on the drone that you want.
During the flight, pressing the LED Flip button and moving the directional lever will rotate the drone 360°.

7. Status Indication
If the drone is disconnected, the LEDs on the drone and the controller will flash and beep.
If the drone's battery is low, only the LEDs on the drone will flash and beep from the controller.

*For more information, see the detailed description section of each function.

How to fly a drone (Mode2)

Be sure to familiarize yourself with the following methods before operating a drone. Poor handling can cause breakage and injury. Using a drone requires a lot of practice.

1. Place the drone on a flat surface, clearly which part is the front and the back.
2. Press the automatic take-off/land button on the controller for more than 3 seconds to begin drone flight.

Throttle 		Raise the throttle lever and raise it up, and lower the throttle lever to lower it. If the throttle lever is lowered during flight and landed on the ground, the motor will stop.
Rotation 		Push the throttle lever to the left to turn left. Push the throttle lever to the right to turn right.
Forward and backward movement 		Raise the directional lever upwards to move forward; lower the directional lever to reverse.
Left-right movement 		Push the directional lever to the left to move the drone to the left, push the directional lever to the right to move the drone to the right.

Motor Start/Stop

You can start/stop the motor when it is not in flight.
Push both levers at the same time as in the image to hold for more than 2 seconds.



Emergency stop

In the event of an emergency during the flight, the emergency stop function can be used to stop the drone's motor.

Pressing the throttle lever down while holding down the speed, start/stop button is an emergency stop.

Caution: Using the emergency stop function stops motors in the air and fall down and may cause the drone to break. Only operate the function in an emergency situation.

Headless Mode

Activate headless mode for introductory. Headless mode fixes the direction of control of the drone regardless of its front and back direction.

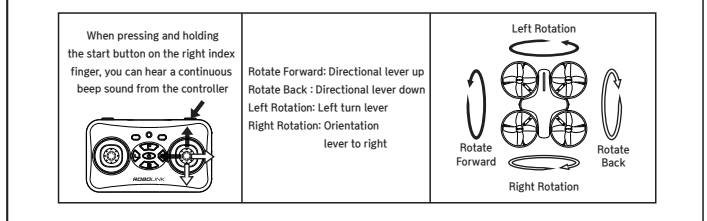
Headless mode on when the LED on the controller flashes by pressing and holding the F button while landing. Headless mode off when the LED on the controller lights up brightly by pressing and holding the B button while landing.

CAUTION: Headless mode On/Off can only be changed when landing, and not during flight. When the headless mode is on by pressing the button, the direction the drone is looking at is fixed as forward.

Change Mode

You can use setting for changing mode 1 or mode 2.
When landing, press and hold the L trim button for more than 3 seconds it is mode 1. When landing, press and hold the R trim button for more than 3 seconds it is mode 2.
CAUTION: The default state is set to Mode 2, and if you change the mode, be sure to be familiar with the controls in that mode before flying.

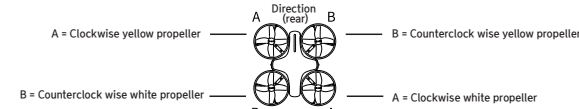
360 Degree Rotation (Mode2)



Propeller Replacement

Periodically check the propeller condition of the drone and replace it with a new one if damaged.

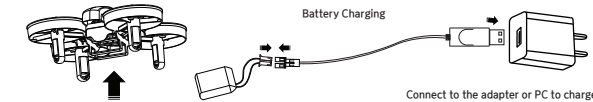
1. There are four propellers in a drone. The front is marked as yellow.
2. Referring to the image, make sure that the direction of rotation is a matching propeller.
3. IMPORTANT: Normal flight is not possible if the propeller is not in the right direction.



To charge

1. Disconnect the battery from the drone. Charge using the included USB charger.
2. During charging, the indicator lights up, and when charging is complete, the indicator turns off.

Caution If a continuous beep sound is heard from the controller during the flight, it signals that the drone is out of battery. Charge the battery after landing.



BATTERY CAUTION

Drone Battery: Please observe the lithium battery usage regulations.
Controller Battery: The controller requires two 'AAA' batteries.

Please read the following precautions carefully.

- Do not use other types of batteries together.
- Do not use with a discharged battery.
- Do not charge disposable batteries.
- Take care when charging the battery.
- View the polarity mark (+/-) and insert correctly.
- Do not heat the battery or place the battery in the fire.

Caution

LED display information		Charging specification		
LED Off	LED On	Input	Charging current	Maximum voltage
Charging completed	Charging	5V	420-450mA	4.2 ± 0.03V

Battery Capacity and Charging Specifications			
Battery Type	Battery Capacity	Hours of use	Charging time
Lithium Battery	3.7V 220mAh	Up to 5 minutes of flight time	40 minutes (Charging current approx. 0.5A)

Guides and precautions for first-time users

- Caution
- Make sure the battery is fully charged.
 - Make sure the propeller is correctly installed.
 - Make sure that the controller and drone are connected properly.
 - Make sure that there are no obstructions around.
 - Practice the take-off, landing and emergency stop functions first
 - Use the drone more than 2 meters away from the user

1. Practice take-off and landing

1. Prepare your flight by placing your drone on a flat surface.
 2. Press the automatic take-off/land button of the controller for more than 3 seconds to take off.
 3. The drone hovers up.
 4. During flight, press the automatic take-off/land button of the controller for more than 3 seconds to land.
- Be aware of emergency shutdown function in case of emergency.

2. Practice Throttle Lever

1. Raise the throttle lever up during flight to raise the drone; lower to lower.
2. Maintaining the throttle lever in the center ensures that the drone remains at a constant altitude.
3. Familiarize yourself with the sensitivity by gently lowering the throttle lever up or down.
Press the automatic take-off/land button for more than 3 seconds to land. Stop the motor via the Emergency Stop function.

3. Practice Directional Manipulation (Mode 2)

1. Practice forward/rearward steering in the air by gently pushing forward/rearward using the right-hand lever.
2. Practice pushing the lever slowly to the left and right as shown above.

4. Practice Rotation (Mode 2)

1. Slowly raise the left throttle lever to maintain altitude in the air.
 2. Adjust the throttle lever to maintain constant altitude and rotate the throttle lever slowly to the left or right.
- If not in headless mode, the drone will rotate and change the front and rear directions, so be careful of the flight.

5. Precision Control Exercise

Once you get used to the previous "practice, practice flying by controlling multiple control commands in the air.

6. Trim

Take off the drone in a wind-free environment to see if it is flowing in the air.

1. Forward/rearward movement trim: If the drone flows forward from the air without any control, press the B button on the controller to adjust the trim.
Conversely, if it flows backwards from the air without any control, press the F button on the controller to adjust the trim.
2. Left/Right Trim: If the drone flows from the air to the left without any control, press the R button on the controller to adjust the trim.
Conversely, if it flows from the air to the right without any control, press the L button on the controller to adjust the trim.

Note: Whenever the trim button is pressed, the controller will beep. Two beeps are heard when the maximum trim setting is reached. If the trim setting does not allow normal flight, please reset the drone sensor. (Press and hold the reset button on the controller to reset the sensor)

7. 360 Degree Rotation (Mode 2)

- Make sure you have enough free space before turning 360 degrees.

Press and hold the button on the right index finger to hear a beep.

Push the right-hand lever in the desired direction to rotate the drone 360 degrees in that direction.

8. Reset the Sensor

After trimming, if the drone is pushed aside or the drone is not flying normally, proceed with resetting the sensor.
With the drone and the controller connected, place the drone on a flat floor and press the reset button on the controller to reset the sensor.

During sensor reset, the drone LED will flash and illuminate again when reset is complete.

Problem Solving

Problem	Reason	How to solve the problem
1. I connected the battery in the drone, but it just blinks and there's no response.	Drone and controller paired off.	Turn off both Drone and controller and refer to the manual.
2. The battery is in the drone but the drone doesn't work.	The battery is low.	Charge the drone's battery.
3. I lowered the lever to land, but the motor won't stop.	Drone doesn't recognize that it had reached the floor.	Please try to land up again. Lower and hold the throttle lever for more than 2 seconds after the drone touches the floor.
4. Only the propeller is rotated and the drone does not take off.	1. The propeller is in the wrong direction. 2. The battery is low.	1. Fit the propeller in the correct place. 2. Charge the battery.
5. The drone still rotate in place even after setting trim.	1. The propeller is in the wrong direction. 2. The propeller is damaged. 3. Sensor reset is required.	1. Reinstall the propeller correctly. 2. Replace the propeller. 3. Refer to the manual for sensor reset.
6. The drone is not flying anymore after the crash.	1. The propeller is disconnected. 2. The propeller is damaged.	1. Please install the propeller. 2. Please replace the propeller.

Initial Defect and Warranty

We support the following initial defect and warranty exchange policies:

1. Within 7 days of receiving a new product
2. If a problem symptom is found within 5 minutes of the cumulative flight time after opening the product.

In the event of a problem with a product that meets all the above conditions, it will be judged as an initial defect and you will be able to exchange the product.

For other user errors and damages other than initial defects, a paid repair will occur, so please note that. Please contact your place of purchase for additional product repair and support.

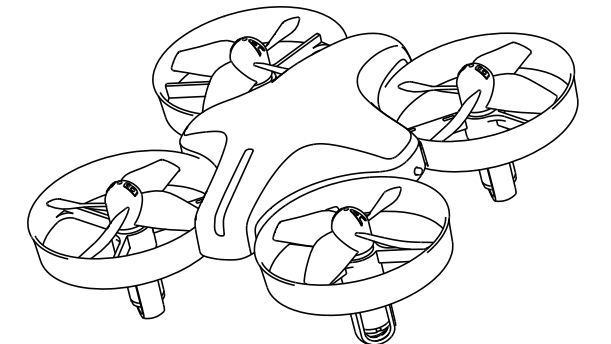
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CE RoHS FC

Autonomous safety check report number: CB062R276-8001



codrone MINI

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Quick manual for flying Drone