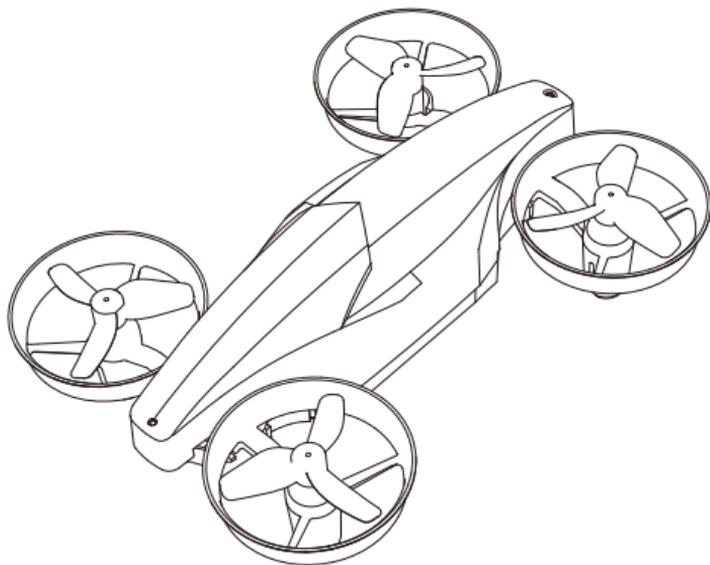




HS210T

User Manual

V1.0



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Reading Guidance

Icon

"⚠️" essential precautions.

"💡" tips for operation and usage.

Recommended Steps

Our product offers both tutorial videos and the following resources:

- Disclaimer and Safety Guidelines
- Quick Start Guide
- User Manual

For a smooth start, we suggest watching the tutorial videos and reviewing the "Disclaimer and Safety Guidelines" first. Then, familiarize yourself with the basics through the "Quick Start Guide". For a comprehensive understanding, delve into the "User Manual".

Access tutorial Videos

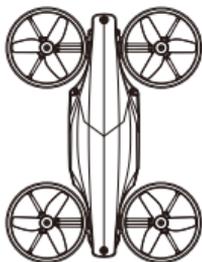
To ensure you're using the product safely and correctly, scan the QR code below to view our tutorial videos.



We are committed to continuously improving user experience and reserve the right to update products. This manual may be revised without prior notice. Scan the QR code to access the latest version. In case of discrepancies between digital and printed editions, the electronic version shall prevail.

1.1 Package Contents >>

1



2



3



4



5



6



7



8



1 Drone

2 Transmitter

3 Drone Battery

4 USB Charging Cable

5 Screwdriver

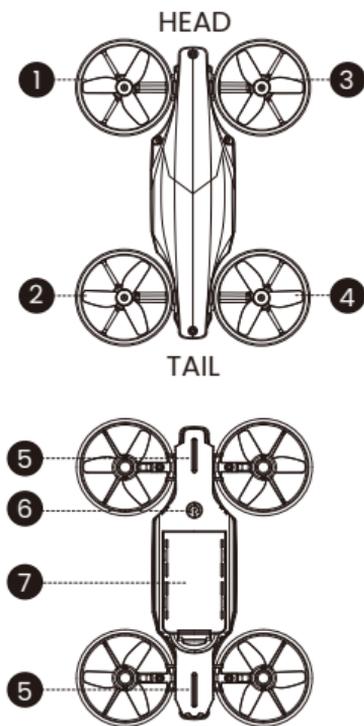
6 Propeller

7 Propeller Spanner

8 User Manual

1.2 Diagram of the Drone >>

Drone



- 1 Propeller A
- 2 Propeller B
- 3 Propeller B
- 4 Propeller A
- 5 Status Lights
- 6 Power Switch
- 7 Drone Battery

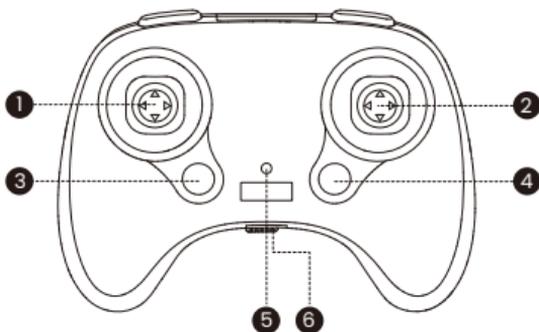


Turning on/off: Long press the power switch () on the drone to turn it on/off.

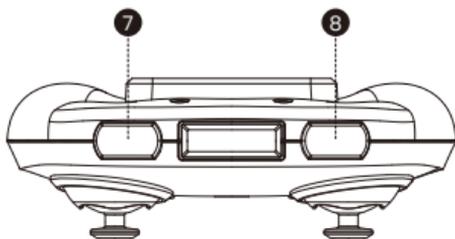
1.3 Diagram of the Transmitter >>

Transmitter Functions

● Front:



● Top:



1 Left Joystick/Trimmer

2 Right Joystick/360°Flip

3 One Key Start & Landing:
Short press

Gyro Calibration:
Long press

4 Light Switch:
Short press

Headless Mode:
Long press

5 Power Indicator

6 Power Switch

7 Speed Switch:
Short press

High-Speed Rotation:
Long press

8 Posture Switch:
Short press

Circle Fly:
Long press

1.3 Diagram of the Transmitter >>

Joystick Mode



This product contains Land Mode and Flight Mode.

- **Land Mode** (see page P12-P13) :



Left Joystick

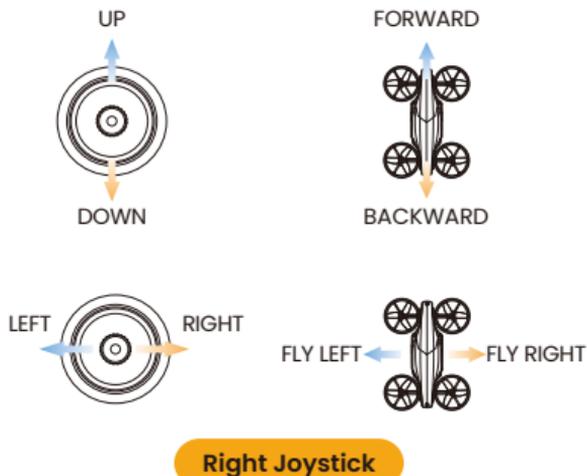
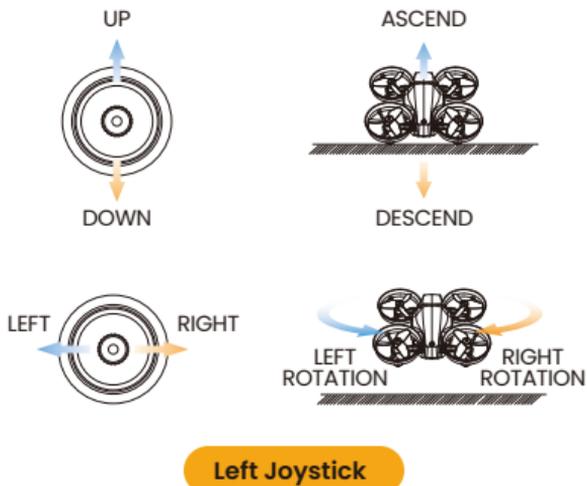


Right Joystick

1.3 Diagram of the Transmitter >>

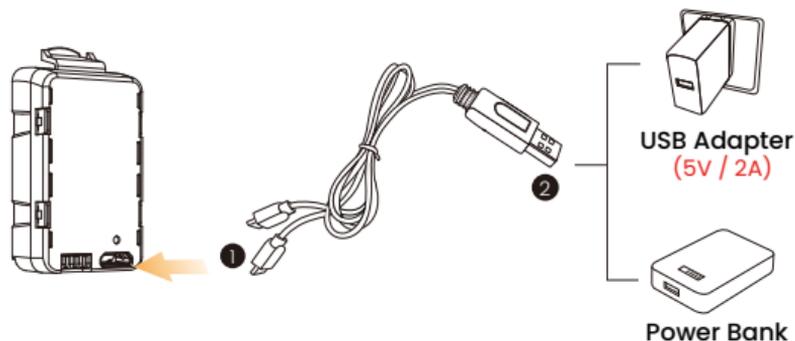
Joystick Mode

- **Flight Mode** (see page P14) :



2.1 Battery Preparation >>

Drone Battery



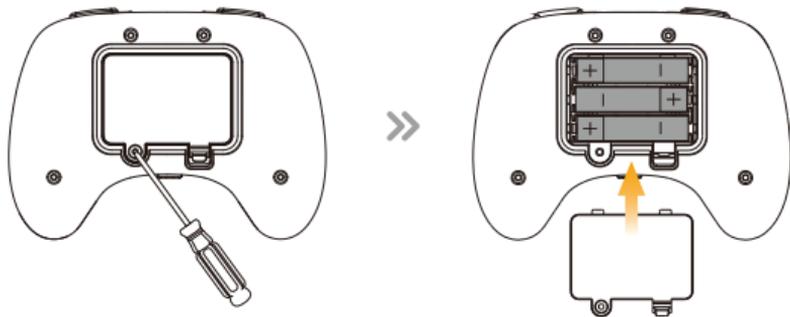
- 1 Remove the battery from the drone and connect it to a USB charging cable.
- 2 Plug the USB Charging Cable into a USB charging port on the power bank or USB adapter (5V/2A).
- 3 Charging time: about 60 minutes. (per battery)
- 4 a. When the battery is charging, the indicator light on the USB Charging Cable is red.
b. When the battery is fully charged, the indicator light on the USB Charging Cable will turn Green.

*** Low Battery Signal: The indicator lights on the drone will flash quickly during the flight.**

- ⚠ Before charging, please read the instructions in the "Safety Guidelines" section of the "Safety Guidelines & Specifications" carefully!
- Please use the original charging cable to charge the battery.
- DO NOT charge a battery immediately after a flight as the temperature may be too high. Please wait until it cools down to room temperature before charging again.

2.1 Battery Preparation >>

Changing Transmitter Batteries



Open the battery cover on the back of the transmitter, insert the three AAA batteries (Not included) into the battery compartment. Then close the battery cover to complete the installation.

*** Low Battery Signal:** The power indicator on the transmitter will flash and the transmitter will beep continuously.

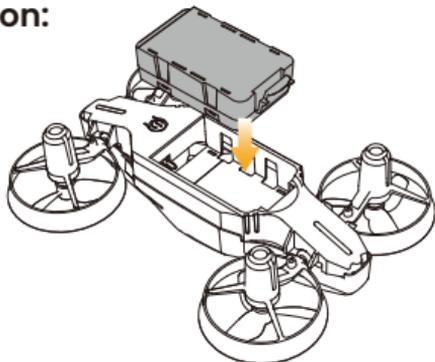


- Install batteries carefully.
- Do not mix old and new batteries.
- Do not mix different types of batteries.

2.2 Pre-Flight Preparations >>

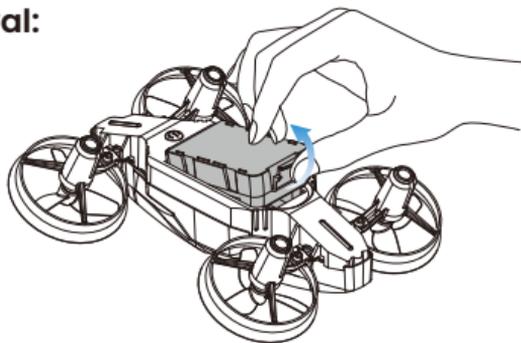
Drone Battery

● Installation:



Put the battery onto the battery slot. Make sure that you hear a click sound, which indicates that the battery is firmly installed.

● Removal:



Press the lock button on the battery, and pull the battery out from the drone.

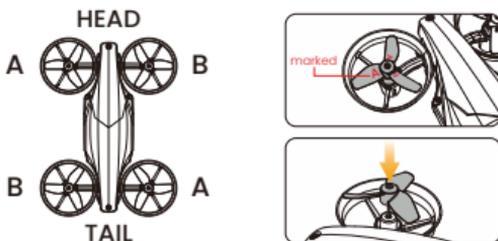


The battery should be installed firmly. Otherwise, the flight safety of drone may be affected. The drone may crash due to a power-cut during the flight.

2.2 Pre-Flight Preparations >>

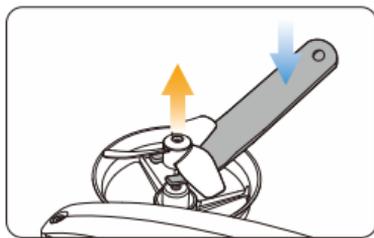
Propeller

• Installation:



The drone will not fly unless the correct propeller is installed on the correct motor shaft. Each propeller is labeled with either an "A" or "B" on its. Install the propeller to the motor shaft and press into place.

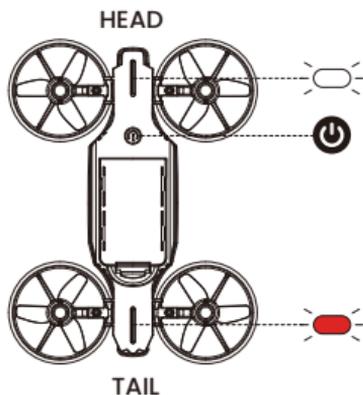
• Removal:



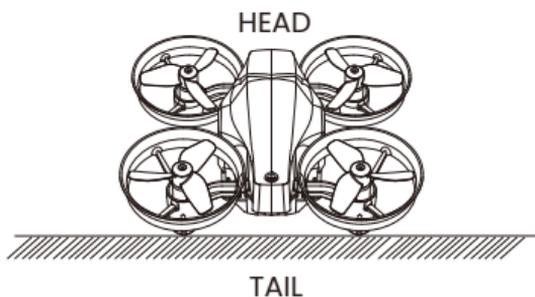
For propeller removal, Insert the propeller spanner between the propeller and the motor. Be sure to hold the motor while detaching the propeller.

- ⚠ · The propellers are installed before the drone is packaged at the factory.
- Please check that the propellers are properly installed and tightened before each flight.
- Exercise caution when attaching/detaching the propellers to prevent any cuts or injuries.

2.3 Pairing >>

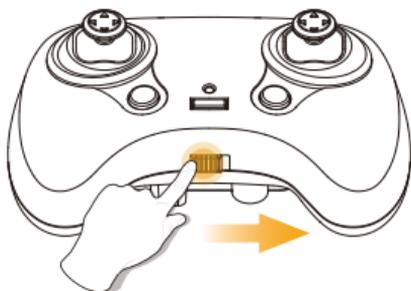


- 1 Long press the Power Switch Button () to turn on the drone. The status lights will start flashing.

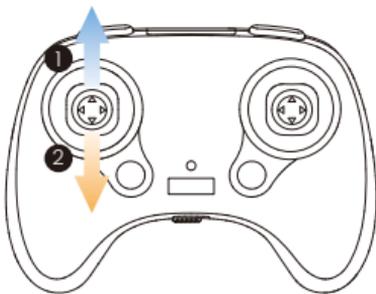


- 2 Set the drone on a flat, level surface, positioning it so that the front faces away from you and the tail points towards you.

2.3 Pairing >>



- 3** Slide the Power Switch button to the "ON" to turn on the transmitter.



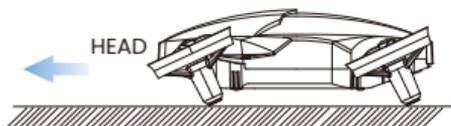
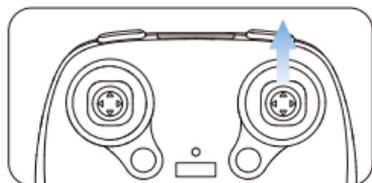
- 4** Push the left joystick up, then down, to pair the drone with the transmitter. The Power Indicator changes from blinking to solid, the drone will be paired with the transmitter.

2.4 Land Mode >>

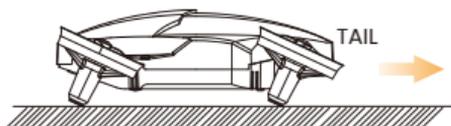
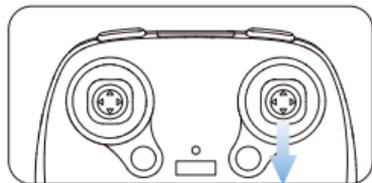
* In Land mode, the drone just glide over the floor when moving.



1. Only use the LAND mode on an area that is flat, clean, smooth and free of obstacles.
2. Be sure to remove any dust, hairs or, other debris on the drone before using the LAND mode. Otherwise, the movements of the drone will be affected.

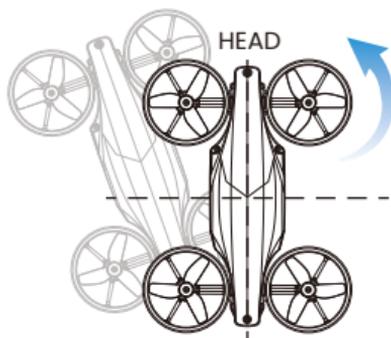
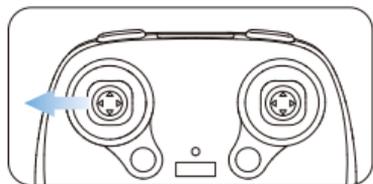
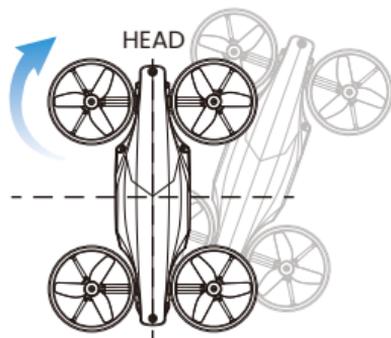
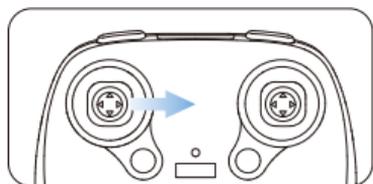


Forward



Backward

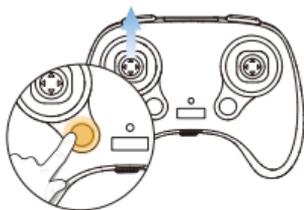
2.4 Land Mode >>

**Left Rotation****Right Rotation**

2.5 Flight Mode - Takeoff >>

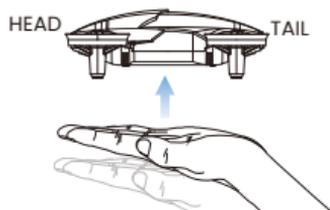
Takeoff

-  You must keep your drone in visual line of sight all the time. If you can't see it, you can't control it.



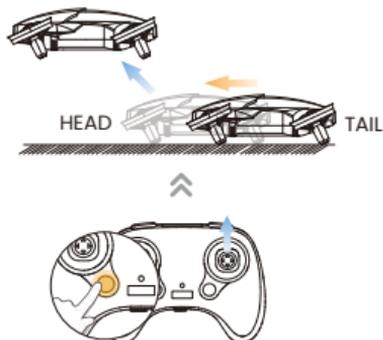
- **Method 1:**

Short press the  button, the propellers will start spinning. Then push the left joystick slowly up. The drone will take off.



- **Method 2:**

After pairing, pick up the drone and lay it flat on your palm. Gently toss the drone into the air, and it will hover in place.



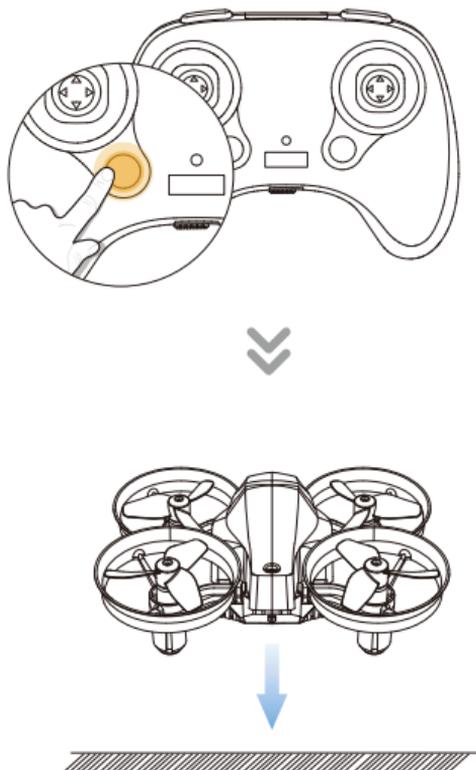
- **Method 3:**

While the drone is on the ground and gliding forward, press the  button. The drone will perform a gliding takeoff.

2.5 Flight Mode - Takeoff >>

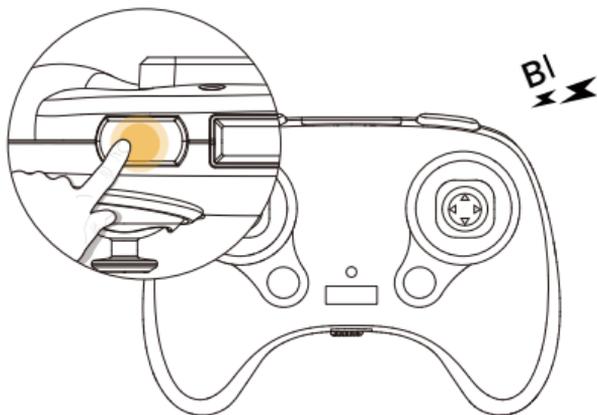
Landing

During the flight, short press the  button, the drone will land on the ground automatically.



2.6 Flight Functions >>

Speed Switch



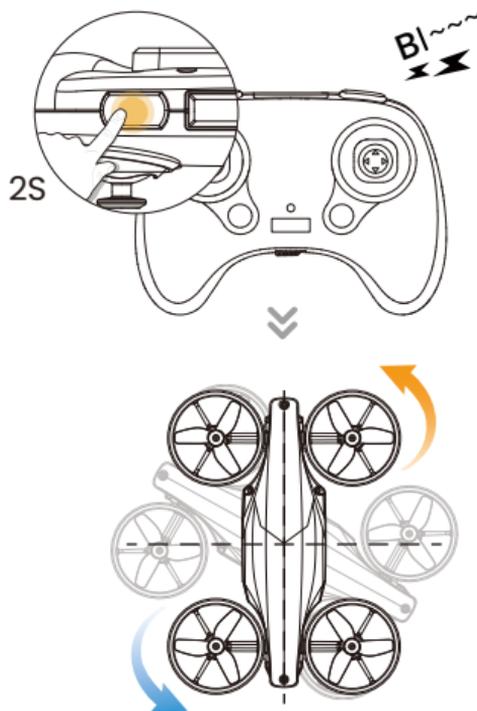
This drone comes with 3 speed modes (Low/Medium/High). Short press the (⚙️) button to switch between low, medium, and high speed. The transmitter beeps once to indicate Low Speed, beeps twice to indicate Medium Speed and beeps three times to indicate High Speed.

The low speed is 3 ft/s. The medium speed is 4.6 ft/s. The high speed is 6 ft/s.

(The Low Speed is the default speed mode. The Low and Medium Speed modes are not suitable for outdoor flight.)

2.6 Flight Functions >>

High Speed Rotation



Long press the  button, the transmitter will make a long beep, the drone begins to rotate quickly. The drone will exit the High-Speed Rotation function automatically after 5 seconds, or you can also long press the  button again to stop the rotation.



High-Speed Rotation function better when the battery is fully charged. And when the battery is low, the function is unavailable.

2.6 Flight Functions >>

Circle Fly



Long press the  button, the transmitter will make a long beep, which indicates that the drone has entered the Circle Fly function. The drone will exit the Circle Fly function automatically after 10 seconds, or you can also long press the  button again to stop the Circle Fly.

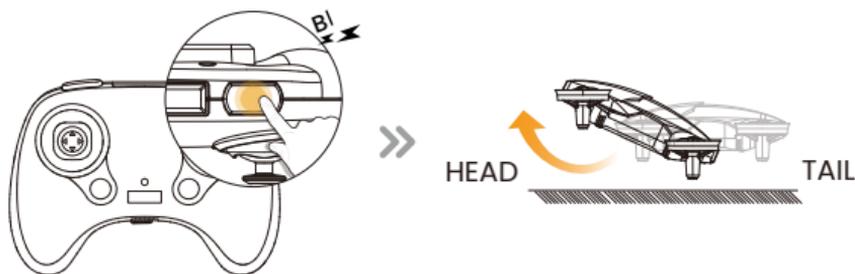


Circle Fly function better when the battery is fully charged. And when the battery is low, the function is unavailable.

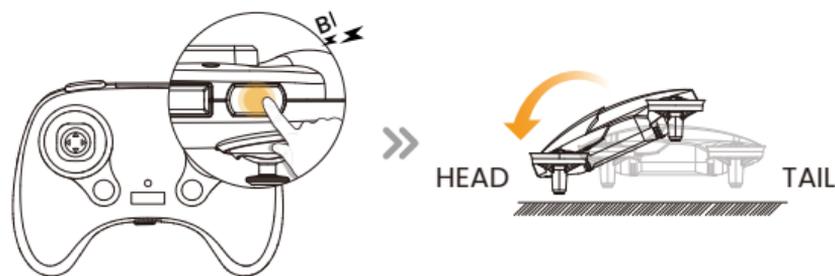
2.6 Flight Functions >>

Posture Switch

Short press the Posture Switch  button once to change between different aerial postures. Every time the posture changes, the transmitter will beep once.



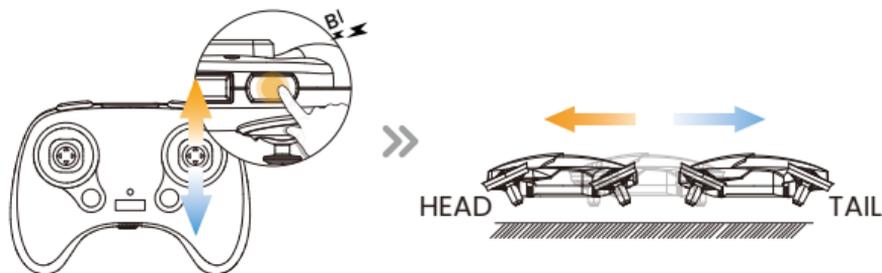
- 1 Tilt Forward Mode: The indicator lights on the drone will turn **solid green**.



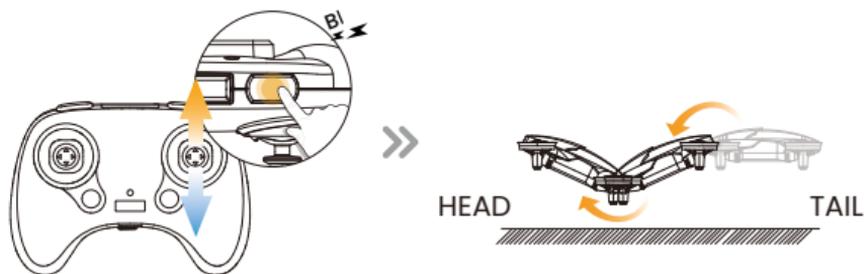
- 2 Tilt Back Mode: The indicator lights on the drone will turn **solid blue**.

2.6 Flight Functions >>

Posture Switch



- 3** Wiggle Mode: The indicator lights on the drone will turn **solid purple**. The posture change is only visible **when the drone is flying forward or backward**.

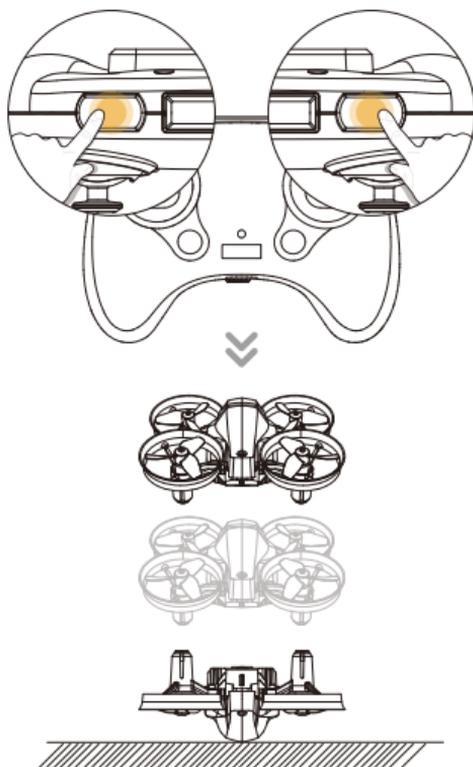


- 4** Disco Mode: The indicator lights on the drone will turn **solid yellow**. The posture change is only visible **when the drone is flying forward or backward**.

 Headless mode is not available in this mode.

2.6 Flight Functions >>

Emergency Stop

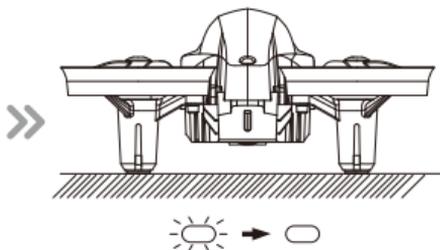


- 1 Press the upper left (👉) and upper right (👈) buttons of the transmitter at the same time, the motors will stop immediately. Be aware that you risk breakage of the drone if it falls a large distance or hits anything at a high rate of speed.

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

2.6 Flight Functions >>

Emergency Stop



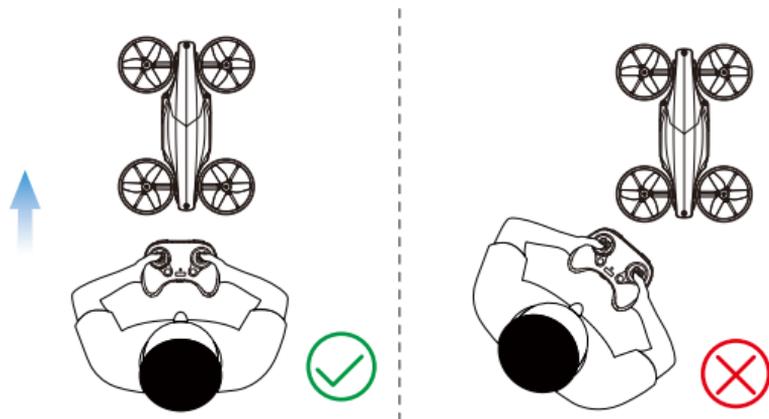
- After the drone hits the ground, the drone indicator will keep on flashing. Please put the drone on a level surface again, and push the left joystick downward. The drone indicator then turn from flashing to solid, which indicates that you can use the drone now.

⚠ When the Emergency Stop is triggered, the propellers will immediately stop spinning, and the drone will lose control, falling freely from its current height. This could potentially hit people or anything in surrounding, leading to injury or damage to valuable items. The Emergency Stop should only be triggered in emergency situations to minimize risk and reduce damage. Emergency situations include, but are not limited to: the drone losing control and colliding with people or animals or items, hair or other objects becoming entangled in the propellers, or the drone posing a threat to the safety of other aircraft, where immediate flight cessation or an immediate stop of the propellers is required.

2.6 Flight Functions >>

Headless Mode

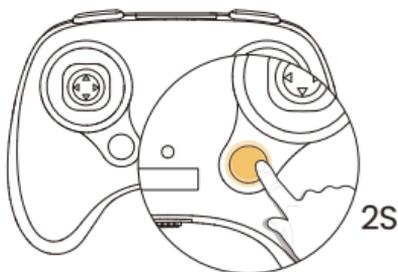
The Headless Mode is a great training tool for beginner pilots. It is also useful when the drone is too far from the pilot (which makes it difficult to tell its orientation). It keeps the drone traveling forward, backward, left, or right when you move the right joystick in those directions, regardless of which way the front of the drone is pointed.



- The pilot should stay facing the same direction that the drone's head points to when it takes off.
- The Headless Mode function is not available in land mode.

2.6 Flight Functions >>

Headless Mode



- 1 Activating:** Long press the Headless Mode button (). The transmitter will emit a continuous beep, indicating that the drone is in Headless Mode.
- 2 Deactivating:** Long press the Headless Mode button () again. The transmitter will emit two beeps, indicating that the drone has exited Headless Mode.

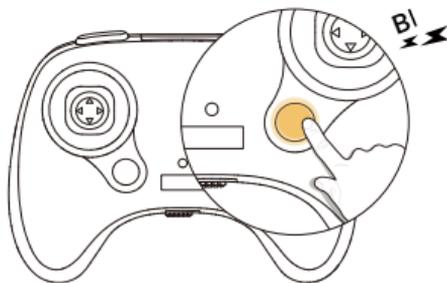
* Why is the orientation of the drone important?

In normal flying mode, the control of the drone movement can sometimes be counter-intuitive for beginners. For instance, when the drone is in the air with its head pointing to your right, if you push the right joystick forward, the drone will fly to your right, instead of flying forward.

With the headless mode, the drone has a fixed "head." In Headless Mode, the drone always remembers the side its head points to during takeoff as the front side. This means that if the drone takes off with its head pointing forward, it doesn't matter how the drone is oriented in the air, when you push the right joystick forward, the drone will fly forward. Or, when its head is pointing to you, if you push the right joystick to the left, the drone will fly to your left.

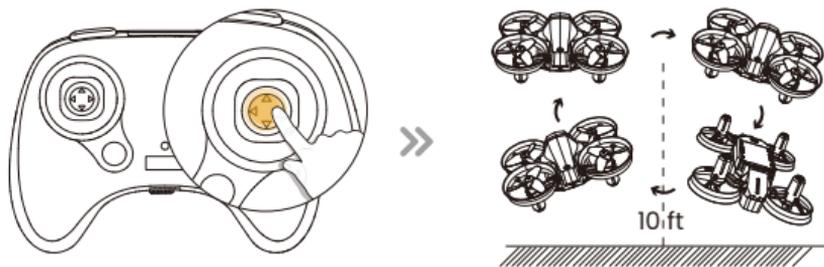
2.6 Flight Functions >>

Light Switch



This drone comes with colorful lights. Short press the Light Switch button (BI) once to change the light status. Every time the light status changes, the transmitter will beep once.

360° Flip



When you get familiar with all the functions of the drone, you can try this amazing flip mode. When the drone is at least 10ft from the ground. Press down on the right joystick, then push the right joystick forward/backward or leftward/rightward. The drone will do a flip toward the corresponding direction.



360° Flip function better when the battery is fully charged. And when the battery is low, the function is unavailable.

2.7 Attitude Adjustment >>

Trimming

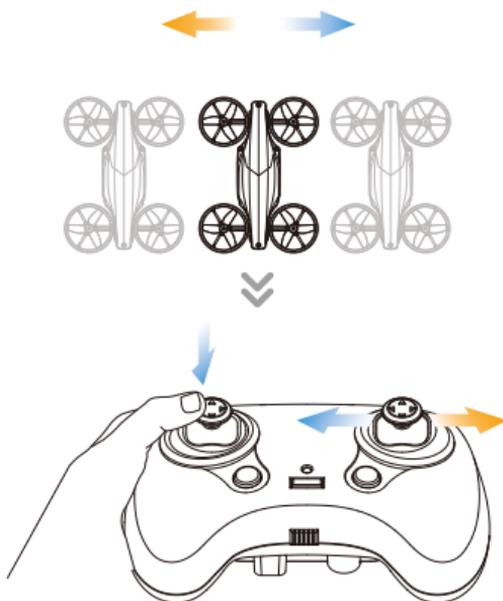


Trim adjustments are designed to counter drifts not caused by airflow.

- 1 Initiate Trim Mode:** Press down and hold the **left joystick** throughout the trimming process.

2 L/R Sideward Trim:

- If the drone drifts to the left, push the right joystick to the right.
- If the drone drifts to the right, push the right joystick to the left.



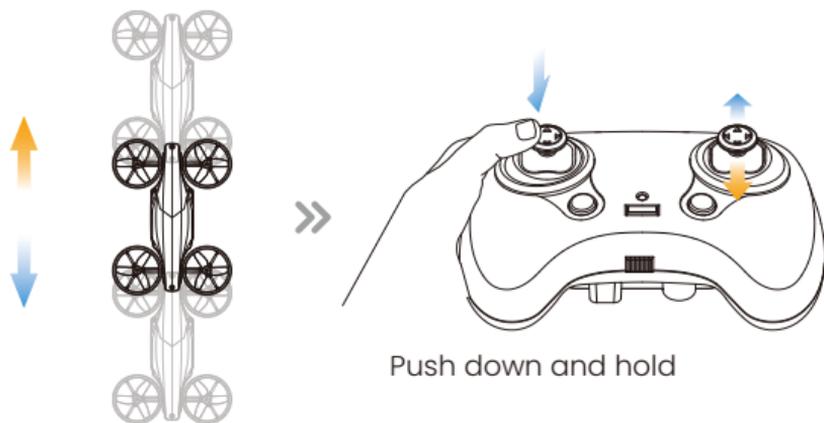
Push down and hold

2.7 Attitude Adjustment >>

Trimming

F/B Sideward Trim:

- If the drone drifts forward, push the right joystick downward.
- If the drone drifts backward, push the right joystick upward.



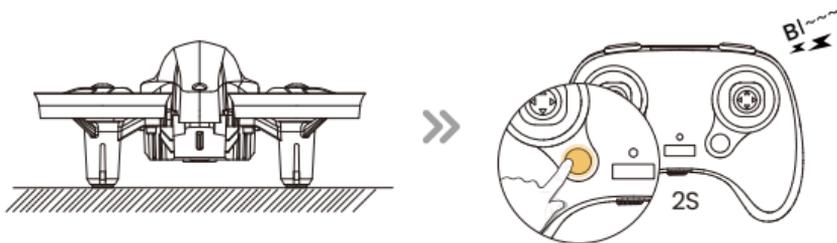
-
- 3 Deactivate Trim Mode:** Once adjustments are made, release the left joystick to exit trim mode.

2.7 Attitude Adjustment >>

Calibrate the Gyro



Gyro-calibration is necessary if the drone has been flying for an extended period of time, or if it experiences a fall or collision.



Make sure to place the drone on a level surface before calibrating the gyro. Long press the () button for 2 Seconds to calibrate the gyro. The transmitter will send out a long beep, and the status lights will change from blinking to solid which indicates the calibration is completed.

Altitude-Hold Function



The drone is designed with an **altitude-hold** function to maintain its altitude after releasing the left joystick. (The left joystick will automatically spring back to the middle)

3.1 Specifications >>

• DRONE:

Model: HS210T	Weight: 42.4 g/ 1.5 oz
Size: 117*89*40 mm	Max Flight Height: 66 ft/20 m
Max Flight Time: 8 minutes (in a windless environment)	
Max Flight Speed: 6 ft/s	
Max Wind Speed Resistance: 3.3 ft/s	
Operating Temperature Range: 32° to 104°F (0° to 40°C)	

• DRONE BATTERY:

Model: FBC902033	Capacity: 500 mAh
Voltage: 3.85 V	Energy: 1.93 Wh
Max Charging Voltage: 4.4 V	
Battery Type: Lithium-ion Polymer Battery	
Charging Time: About 60 minutes (per battery)	
Charging Temperature Range: 41° to 104°F (5° to 40°C)	

• USB CHARGING CABLE:

Input: 5V/2A	Rated Power: ≤10 W
--------------	--------------------

3.1 Specifications >>

● TRANSMITTER:

Model: HS210T-YK

Battery Type: 3 × AAA Battery (not included)

Operating Frequency: 2452-2474 MHz

Max Flight Distance: 164 ft/ 50m (outdoor and unobstructed)

Operating Temperature Range: 32° to 104°F (0° to 40°C)

3.2 Contact Us >>

Please do not hesitate to contact us if you need further support.



usa@holystone.com (America) ca@holystone.com (Canada)
eu@holystone.com (Europe) au@holystone.com (Australia)



+1 (833) 766-4733

3.3 Troubleshooting >>

ISSUES	POSSIBLE CAUSES	SUGGESTED SOLUTIONS
The indicator lights of the drone are flashing and do not respond to the transmitter.	Insufficient battery power.	Recharge the battery.
	The transmitter is not paired to the drone.	Pair the drone and transmitter again.
The propellers spin, but the drone cannot take off.	The propellers are installed in the wrong orientation.	Install the propellers in the right orientation.
	The propellers are distorted.	Replace the propellers.
The drone cannot stay balanced in flight.	The motor doesn't work properly.	Replace the motor.
	The propellers are distorted.	Replace the propellers.



**HQLY
STONE**

Dare to fly. Soar to live.