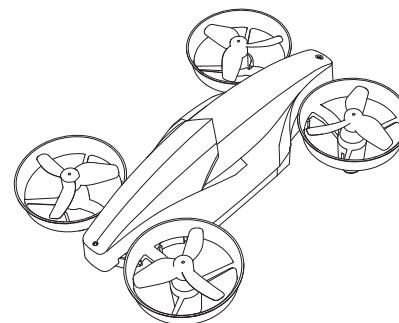




HS210T

User Manual
Mode d'emploi
Guida all'uso
Manual de usuario

V 1.0



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English	01-40
Français	41-76
Italiano	77-112
Español	113-148

CONTENTS

1

Product Profile

01	Package Contents
02	Diagram of the Drone
03	Diagram of the Transmitter

3

Appendix

32	Specifications	35	Compliance Information
33	Contact Us		
34	Troubleshooting		

2

Operation Guide

07	Battery Preparation	15	Flight Mode
09	Preparing the Drone	17	Flight Functions
11	Pairing	29	Attitude Adjustment
13	Land Mode		

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".

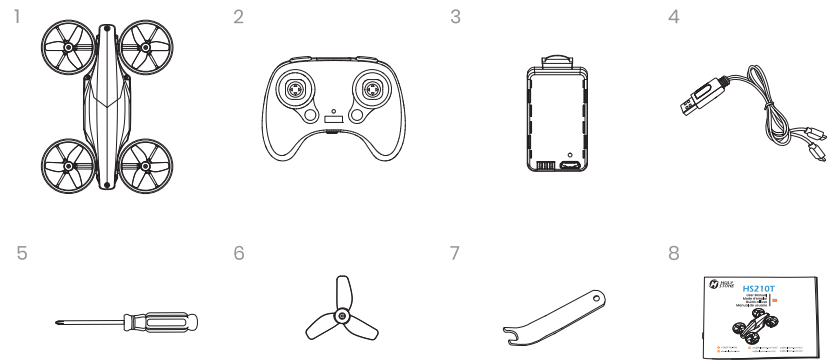
Access Tutorial Videos

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





1.1 Package Contents >>



- 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

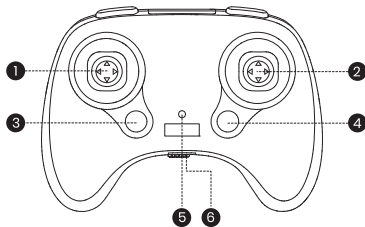
- 1 Propeller A
- 2 Propeller B
- 3 Propeller B
- 4 Propeller A
- 5 Status Lights
- 6 Power Switch: long press
- 7 Drone Battery

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

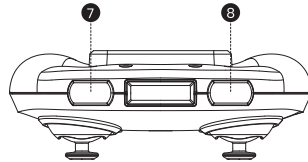
1.3 Diagram of the Transmitter >>

The Transmitter

• 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 |

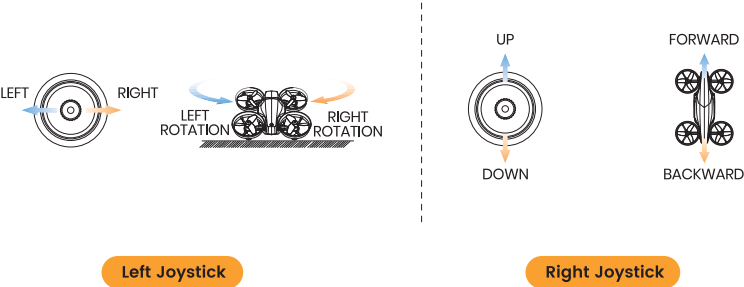


1.3 Diagram of the Transmitter >>

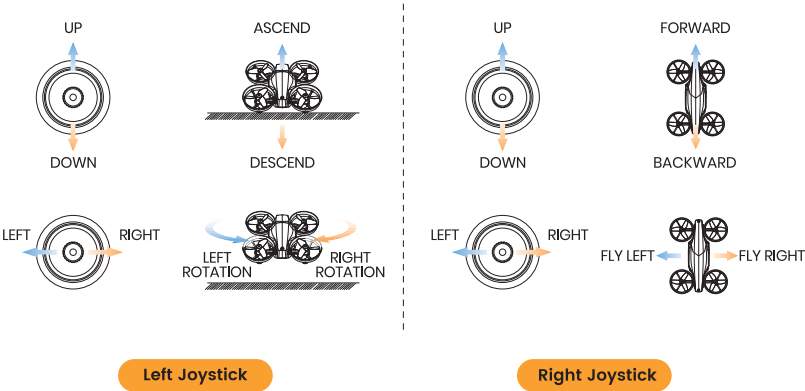
Joystick Mode

💡 This product contains Land Mode and Flight Mode.

• Land Mode (see page P13-P14) :

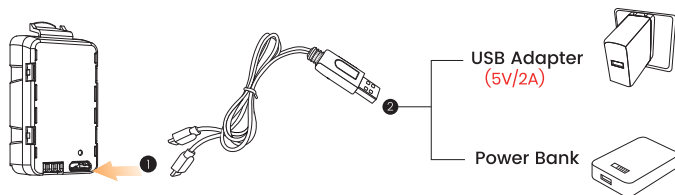


• Flight Mode (see page P15) :



2.1 Battery Preparation >>

Drone Battery

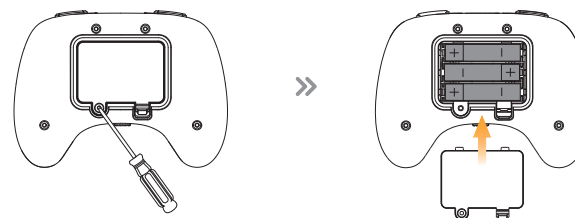


- 1 Remove the battery from the drone and connect it to a USB charging cable.
 - 2 Plug the USB Charging Cable into a USB charging port on the power bank or USB adapter (5V/2A).
 - 3 Charging time: about 60 minutes. (per battery)
 - 4 a. When the battery is charging, the indicator light on the USB Charging 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 "Battery Safety" section of the "Disclaimer and Safety Guidelines" 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.

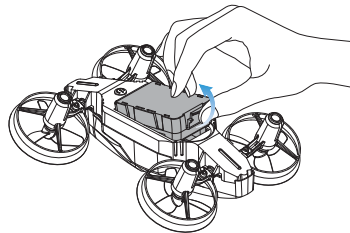
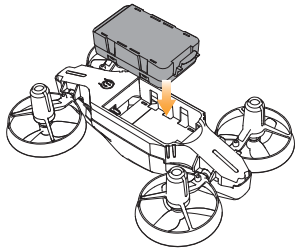
* **Low Battery Signal:** The power indicator on the transmitter will flash and the transmitter will beep continuously.

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

2.2 Preparing the Drone >>

Drone Battery

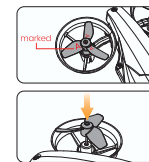
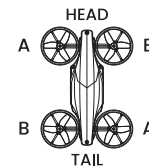
- **Installation:** Put the battery onto the battery slot. Make sure that you hear a click sound, which indicates that the battery is firmly installed.
- **Removal:** Press the lock button on the battery, and pull the battery out from the drone.



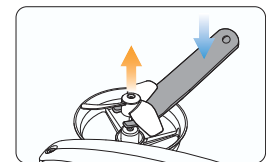
⚠ The battery should be installed firmly. Otherwise, the flight safety of your drone may be affected. The drone may crash due to a power-cut during the flight.

2.2 Preparing the Drone >>

Propellers

● **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.

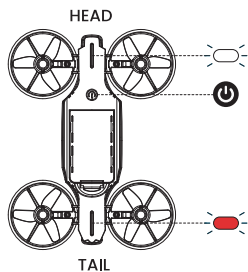


- The propellers are installed before the drone is packaged at the factory.
- Please check that the propellers are properly installed and tightened before each flight.
- Exercise caution when attaching/detaching the propellers to prevent any cuts or injuries.

2.3 Pairing >>

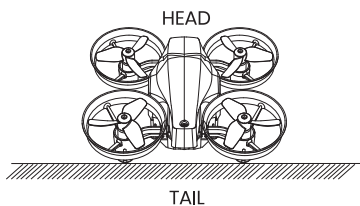
1

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



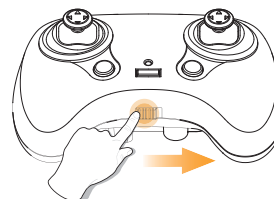
2

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



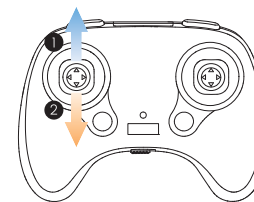
3

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



4

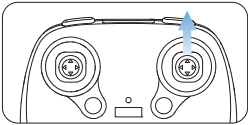
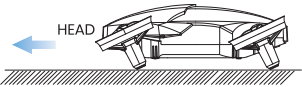
Push the left joystick up, then down, to pair the drone with the transmitter. The Power Indicator changes from blinking to solid, the drone will be paired with the transmitter.



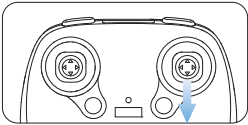
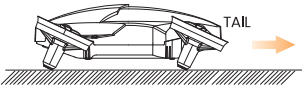
2.4 Land Mode >>

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

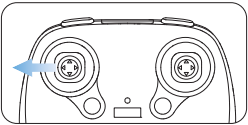
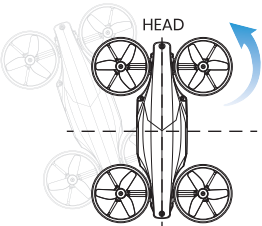
- 1. Only use the LAND mode on an area that is flat, clean, smooth and free of obstacles.
- 2. Be sure to remove any dust, hairs or, other debris on the drone before using the LAND mode. Otherwise, the movements of the drone will be affected.



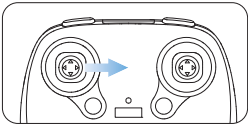
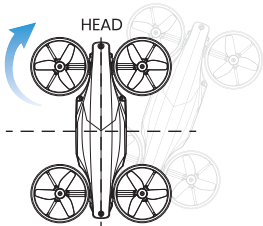
Forward



Backward



Left Rotation

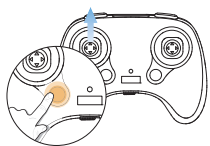


Right Rotation


2.5 Flight Mode - Takeoff >>

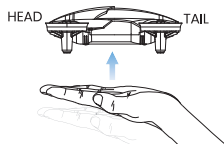
Takeoff

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



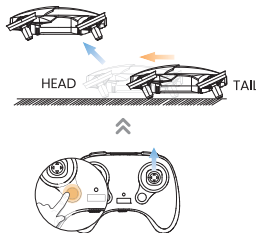
• Method 1:

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.

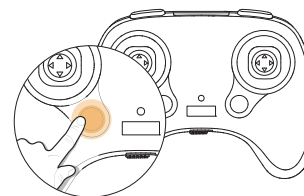


• Method 3:

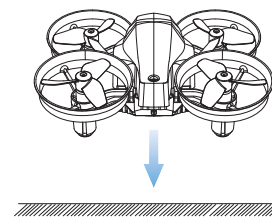
While the drone is on the ground and gliding forward, press the  button. The drone will perform a gliding takeoff.


2.5 Flight Mode - Landing >>

Landing




>>

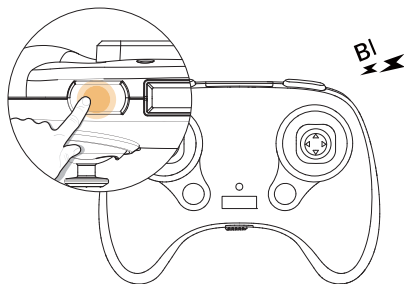


During the flight, short press the  button, the drone will land on the ground automatically.

2.6 Flight Functions >>



Speed Switch

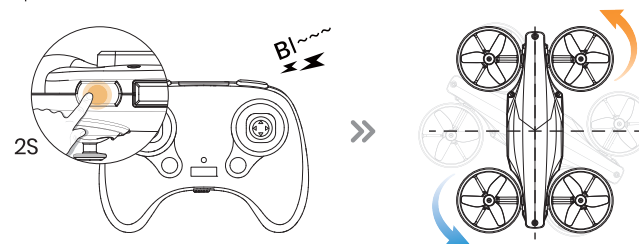
This drone comes with 3 speed modes (Low/Medium/High). Short press the  button to switch between low, medium, and high speed. The transmitter beeps once to indicate Low Speed, beeps twice to indicate Medium Speed and beeps three times to indicate High Speed. (The Low Speed is the default speed mode.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

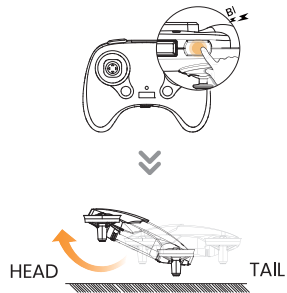


 High-Speed Rotation function better when the battery is fully charged. And when the battery is low, the function is unavailable.

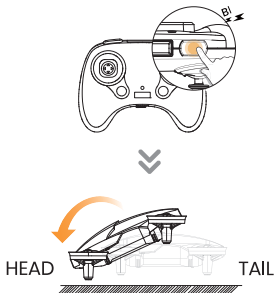
2.6 Flight Functions >>

Posture Switch

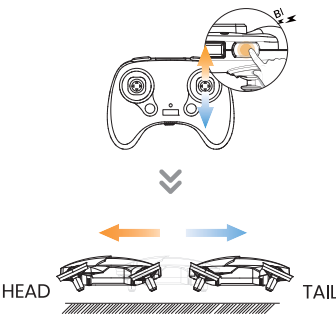
Short press the Posture Switch  button once to change between different aerial postures. Every time the posture changes, the transmitter will beep once.



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

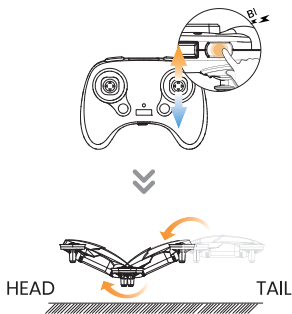


- 2 Tilt Back Mode: The indicator lights on the drone will turn **solid blue**.



- 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**.



 Headless mode is not available in this mode.

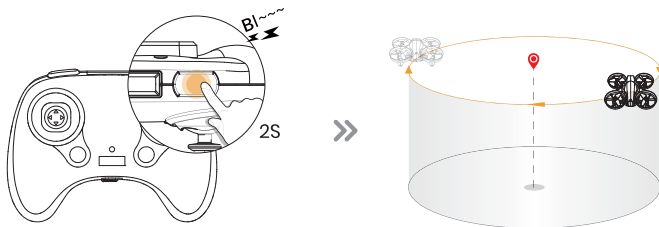



- 4 Disco Mode: The indicator lights on the drone will turn **solid yellow**. The posture change is only visible **when the drone is flying forward or backward**.

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.

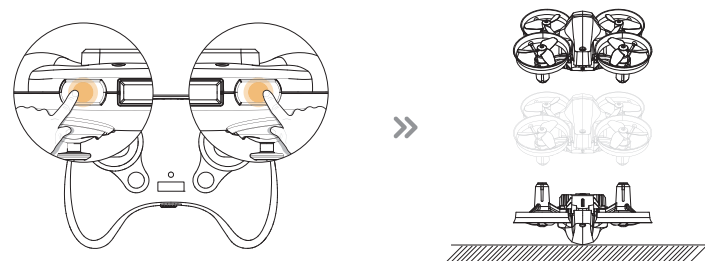



 Circle Fly function better when the battery is fully charged. And when the battery is low, the function is unavailable.

2.6 Flight Functions >>

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

- 2 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.

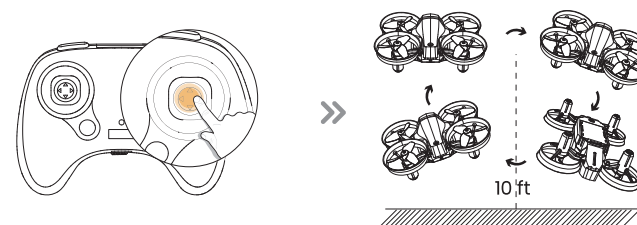


- ⚠ When the Emergency Stop is triggered, the propellers will immediately stop spinning, and the drone will lose control, falling freely from its current height. This could potentially hit people or anything in surrounding, leading to injury or damage to valuable items. The Emergency Stop should only 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 >>

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.

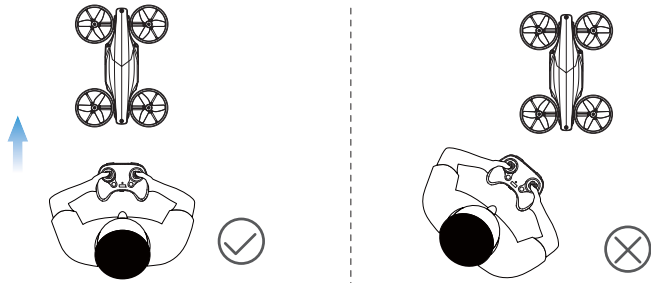


- 💡 360° Flip function better when the battery is fully charged. And when the battery is low, the function is unavailable.

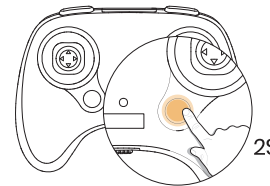
2.6 Flight Functions >>



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.



- Activating:** Long press the Headless Mode button (). The transmitter will emit a continuous beep, indicating that the drone is in Headless Mode.
- 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?

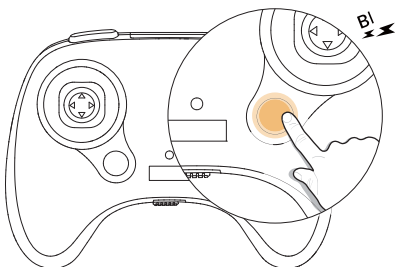
In normal flying mode, the control of the drone movement can sometimes be counter-intuitive for beginners. For instance, when the drone is in the air with its head pointing to your right, if you push the right joystick forward, the drone will fly to your right, instead of flying forward.

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 >>

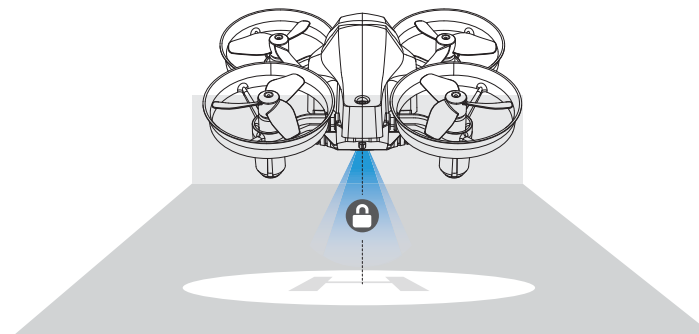
Light Switch

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



2.6 Flight Functions >>


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)

2.7 Attitude Adjustment >>

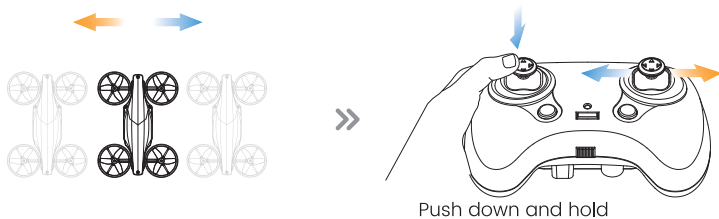
Trimming

 **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.

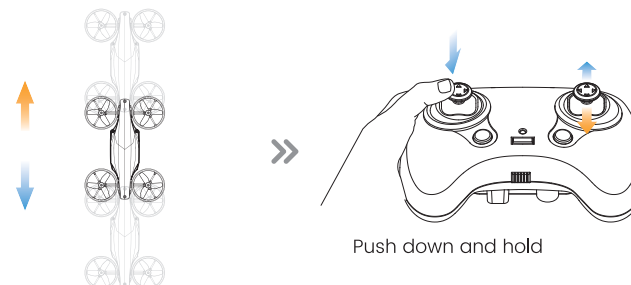
2 L/R Sideward Trim:

- 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.



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 (B) 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.

3.1 Specifications >>

• DRONE:

Model: H520T	Weight: 42.4g/1.5oz
Size: 117*88*40mm	Max Flight Height: 60ft/20m
Max Flight Time: 8 minutes <small>(at a standard environment)</small>	Max Flight Speed: 6ft/s
Operating Temperature Range: 32° to 104°F (0° to 40°C)	
Max Wind Resistance: 3.3ft/s	

• TRANSMITTER:

Model: H520T (H188RC2+6A-PMW+H520T)	Battery Type: 3 × AAA Battery (not included)
Operating Frequency: 2420-2478MHz	Max Flight Distance: 164ft/50m <small>(stable and interference-free)</small>
Operating Temperature Range: 32° to 104°F (0° to 40°C)	

• USB CHARGING CABLE:

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



3.1 Specifications >>

• DRONE BATTERY :

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

3.2 Contact Us >>

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



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



+1 (833) 766-4733



www.holystone.com



3.3 Troubleshooting >>

THE PROBLEMS	REASONS	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.

3.4 Compliance Information >>

FCC Notice:

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.

The Supplier's Declaration of Conformity is available at the following address:

https://www.holystone.com/Download/US/HS201_FCC_sDoC.pdf

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

3.4 Compliance Information >>

IC Notice:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'élémetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN ICES (B) / NMB (B)

3.4 Compliance Information

CAN NMB-003 (8):**RF Exposure****Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

EU RF Power(EIRP): +14 dBm (1420MHz-2478 MHz)

Caution

1. The max operating of the EUT is 40°C, and shouldn't be lower than 0°C.
2. The device complies with RF specifications when the device used at 0mm from your body.
3. Declaration of Conformity.

We, Xiamen Huoshiquan Import & Export CO.,LTD hereby declare that the UAS HS210T is of class C0, and in compliance with the RED Directive 2014/53/EU, the RoHS Directive 2011/65/EU, Toy Directive 2009/48/EC and UAS Delegated Regulation 2019/945/EU amended by Delegated Regulation 2020/1058/EU.

3.4 Compliance Information

The full EU declaration of conformity is accessible at the following website:
http://www.hollystone.com/Download/CE/HS210T_EU_DOC.pdf
 This product can be used among EU member states.

MANUFACTURER INFORMATION:

Manufactured by

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MTOM Statement:

HS210T is a quadrotor drone. The MTOM of HS210T is 42.4g, including the propellers, the flight Battery, which is compliant with C0 requirements.

Users must follow the instructions below to comply with the MTOM C0 requirements. Otherwise, the drone cannot be used as a C0 aircraft.

1. DO NOT add any payload to the aircraft except the items listed in the List of Items including qualified accessories section.
2. DO NOT use any non-qualified replacement parts, such as flight batteries or propellers, etc.
3. DO NOT retrofit the aircraft.

3.4 Compliance Information >>

List of Items including qualified accessories

1. HS210T Propellers (Model: HS210T-FY, 0.2g each propeller, 38700RPM)
2. HS210T Flight Battery (approx. 13.5 g)

List of Spare and Replacement Parts

1. HS210T Propellers (0.2g each propeller)
2. HS210T Flight Battery (approx. 13.5 g)

List of Safe Guards

Below is the list of the mechanical safeguards and operation safeguards for HS210T.

1. Emergency Stop function can be performed to stop the motors in case of an emergency. Refer to the Emergency Stop section for details.
2. Prevent the drone from flying in restricted airspace. Refer to the Flight Environment Requirements section for details.
3. If the drone disconnects from the transmitter, the indicator light on the drone will continuously flash. The drone will slowly descend at its current position until it lands. During the landing process, the drone cannot be manually controlled. The drone descends slowly during the process, minimizing the risk of significant impact that could damage surrounding people or objects. However, as the propellers continue to spin during descent, there may still be a risk of minor damage. The pilot must keep the drone

3.4 Compliance Information >>

within remote control range specified in the manual to avoid disconnection, and always keep the drone within line of sight in case of disconnection. When the drone disconnects from the transmitter, the pilot should warn people around the drone to take actions to prevent injury and damage (leaving the area, moving things away, etc.). The drone may be broken and the propellers, motors and drone body may be damaged.

Similar products produced by the same manufacturer are electrically identical. Distinguish them based on product model and appearance color.

The firmware of toy product cannot be upgraded.

