HOLY STONE

Dare to fly.Soar to live.

HOLY STONE

HS290

User Manual
Gebrauchsanweisung
取扱説明書

V 1.1



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English 01-48

Deutsch 49-94

日本語 95-137

CONTENTS

1 Product Profile

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

2 Operation Guide

07 Battery Preparation
09 Pre-Flight Preparations
12 Pre-Flight Checklist
13 Flight

3 Drone Functions

20 Flight Functions
31 Attitude Adjustment
33 Stabilization Functions
36 APP Operation Instruction

4 Appendix

40 Specifications
42 Contact Us
43 Troubleshooting
44 Compliance Information

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.

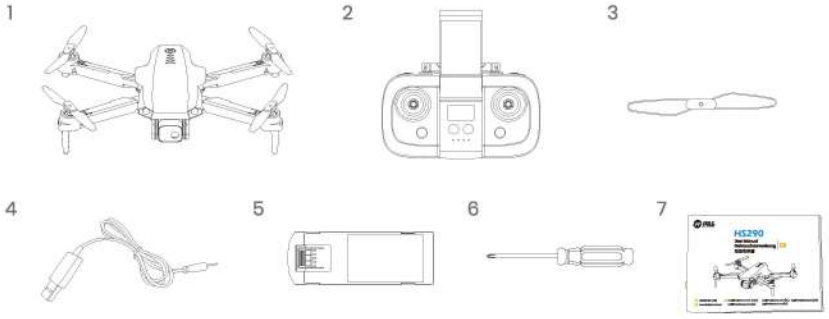
Download the HS FPV App

Simply scan the QR code below.

iOS

Android APP on Google play

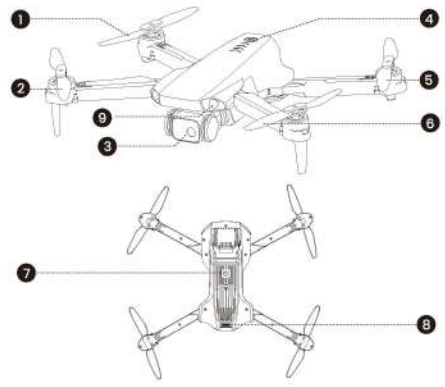
1.1 Package Contents >>



1 Drone
2 Transmitter
3 Propellers
4 USB Charging Cable
5 Drone Battery
6 Screwdriver
7 User Manual

1.2 Diagram of the Drone >>

Drone



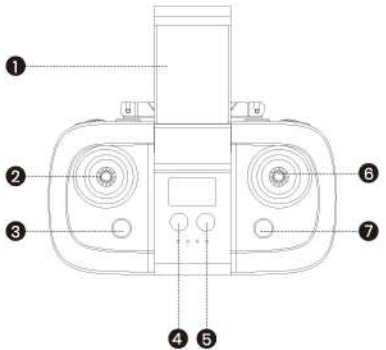
1 Propeller A
2 Propeller B
3 Camera
4 Power Switch: long press
5 Propeller B
6 Propeller A
7 Optical Flow Positioning Lens
8 Drone Battery
9 Indicator

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

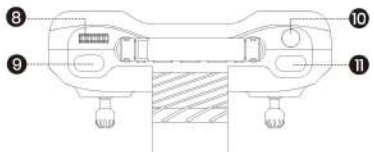
1.3 Diagram of the Transmitter >>

The Transmitter

- **Front:**



- **Top:**



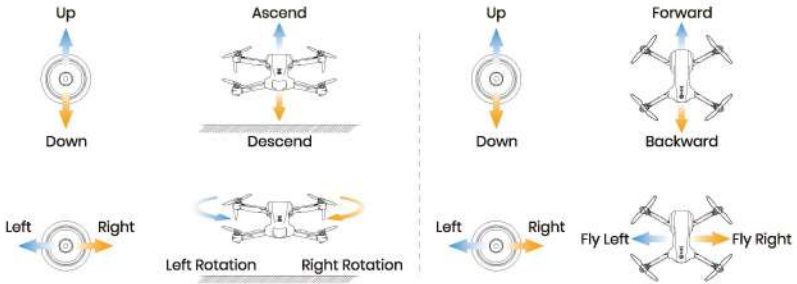
1 Phone Holder
2 Left Joystick
3 Power Switch: long press
4 Speed Switch: short press
Headless Mode: long press
5 Trimmer: long press
6 Right Joystick
7 Takeoff/Landing: short press
Emergency Stop: long press
8 Camera Angle Adjustment
9 Take Photo: short press
Record Video: long press
10 High Speed Rotation: short press
Circle Fly: long press
11 360° Flips: short press

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

1.3 Diagram of the Transmitter >>

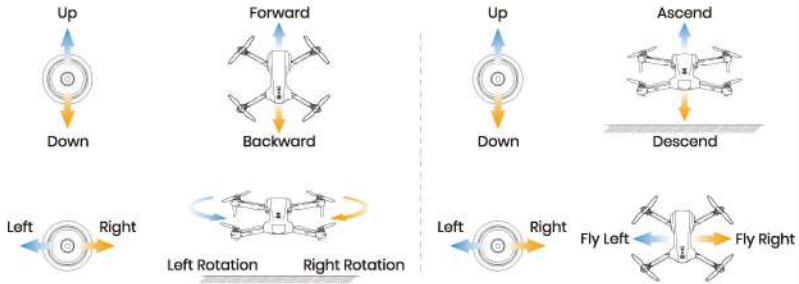
Joystick Mode

- **MODE 2 :** (The default setting.)



Left Joystick **Right Joystick**

- **MODE 1 :** To enter MODE 1, turn on the transmitter while holding the button. (Please do not release the button until the transmitter is powered on.)



Left Joystick **Right Joystick**

2.1 Battery Preparation >>

Drone Battery



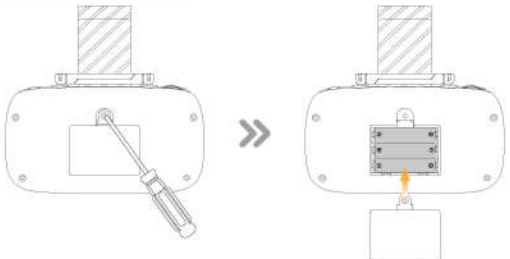
1. Remove the battery from the drone and connect it to a USB charging cable.
2. Plug the USB charging cable into a USB charging port on a power bank or a USB adapter **(5V/2A)**.
3. The red light on USB charging cable illuminates during charging and goes off once the battery is fully charged.
4. Charging time: About **90 minutes.**

***Low Battery Signal:** Indicator lights on the drone keep flashing, and the transmitter will keep beeping.

⚠ · Before charging, please read the instructions in the "Battery Safety" section of the "Disclaimer and Safety Guidelines" carefully!
· 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.
· Please use the original charging cable to charge the battery.

2.1 Battery Preparation >>

Changing Transmitter Batteries



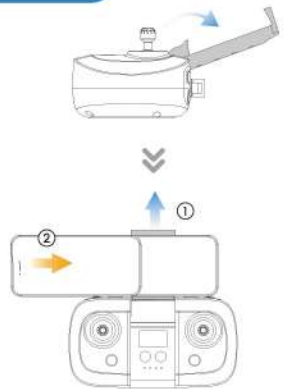
Open the battery cover on the back of the transmitter. Put in three AAA batteries (not included). Then, close the cover.

***Low Battery Signal:** The indicator lights on the transmitter flash slowly.

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

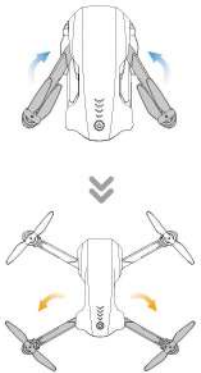
2.2 Pre-Flight Preparations >>

Phone Holder



Expand the phone holder and place your mobile phone in it. Adjust the clamp to secure your mobile phone.

Arms

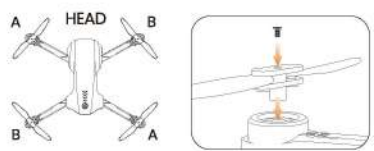


All arms of the drone are folded before the drone is packaged at the factory. First, unfold the front arms, then unfold the rear arms.

2.2 Pre-Flight Preparations >>

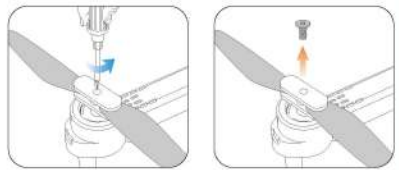
Propellers

- **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 it. Secure the propeller onto the motor shaft using screws, turning each screw clockwise.

- **Removal:**



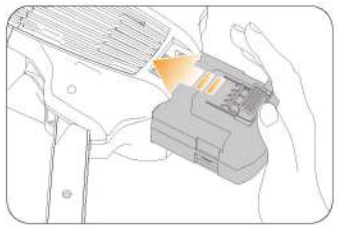
For propeller removal, use a screwdriver (provided) to rotate the screws counter-clockwise and remove the propellers.

⚠ · 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.
· The propellers are installed before the drone is packaged at the factory.

2.2 Pre-Flight Preparations >>

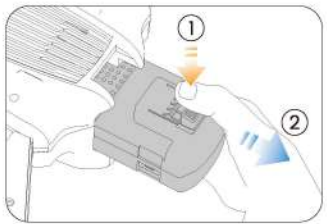
Drone Battery

- **Installation:**



Push the battery correctly into the drone. 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 affect - ed. The drone may crash due to a power-cut during the flight.

2.3 Pre-Flight Checklist >>



Make sure the transmitter, the mobile phone and the drone battery are fully charged.



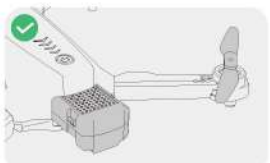
Make sure that the camera is clean.



Make sure that there is nothing obstructing the motors.



Make sure the drone arms are unfolded.



Make sure the drone battery and the propellers are mounted securely.



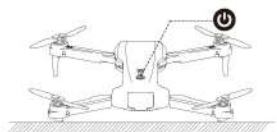
Please ensure that you use only accessories manufactured by our company.

2.4 Flight >>

Pairing

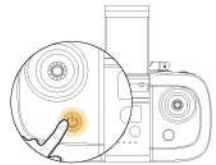
· All of the operations shown in this manual are demonstrated using **MODE 2.**

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



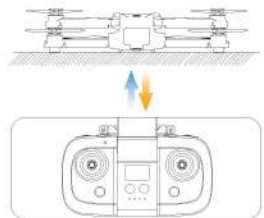
1 Turning on the drone

Set the drone on a flat, level surface, positioning it so that the front faces away from you and the tail points towards you. Long press the power switch to turn on the drone. The indicator lights on the drone begin to flash.



2 Turning on the Transmitter

Long press the power switch on the transmit - ter to turn it on; its indicator lights will begin to flash.



3 Auto-Pairing

When the transmitter and the drone have successfully paired, and the indicator lights on both the drone and the transmitter become steady.

2.4 Flight >>

Wi-Fi Connection

Make sure the pairing has finished before going to the Wi-Fi settings on your phone.



1. Go to the **Wi-Fi** settings on your phone.
2. Connect to the drone's Wi-Fi network: **HolyStoneFPV-******.**
3. Run the **HS FPV** app. A successful connection is confirmed **when the drone's live video feed is displayed within the app interface.**

· Connecting your phone to the drone's Wi-Fi may take some time. Please remain patient and wait for the connection to be established successfully.

· For optimal connectivity, if you're experiencing issues with the WIFI connection or the image transmission in the APP isn't displaying, it's advised to disable your phone's Bluetooth, Mobile Data, and VPN. Alternatively, switch your phone to airplane mode and attempt to reconnect.

· Please ensure that all permissions requested by the app are granted.

The Wi-Fi network created by the drone does not have internet access. As a result, your cellphone might:

- Notify you that the connection isn't secure,
- Indicate there's no internet connection, or
- Suggest switching to cellular data.

(The exact wording may vary based on cellphone models.)

Please disregard these messages. If prompted, select the option to remain con - nected to the current Wi-Fi.

2.4 Flight >>

Gyro-Calibration



Make sure to place the drone on a level surface before calibrating the gyro. Simultaneously push the left joystick and the right joystick to the bottom left corner to calibrate the gyro. The indicator lights on the drone will blink, then turn solid, which indicates that the calibration is completed.

To ensure a stable flight, we suggest that the pilot calibrates the gyro every time after pairing the drone and after a crash.

2.4 Flight >>

Unlocking the Motors



Simultaneously push the left joystick to the bottom right corner and the right joystick to the bottom left corner. The motors will rotate, and the drone is unlocked.

To lock the motors: Simply repeat the above steps. The motors will halt instantly. The locking function can only be activated when the drone is not in flight status (before taking off or has landed). This function will be disable during the flight.

2.4 Flight >>

Takeoff/Landing

Remember to unlock the motors before takeoff.



Takeoff Short press the button, the drone will take off automatically and hover at 5 ft. Now you can control the drone by using the joysticks.

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

3.1 Flight Functions >>

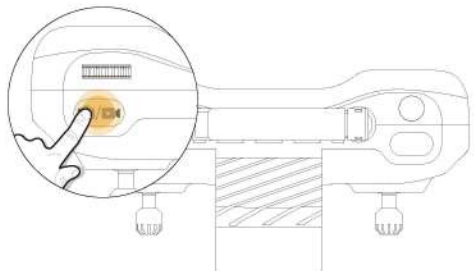
Camera Angle Adjustment



Adjust the camera angle by scrolling the camera adjustment dial .
(tilt range: -90°~ 0°)

3.1 Flight Functions ››

Take Photo/Record Video

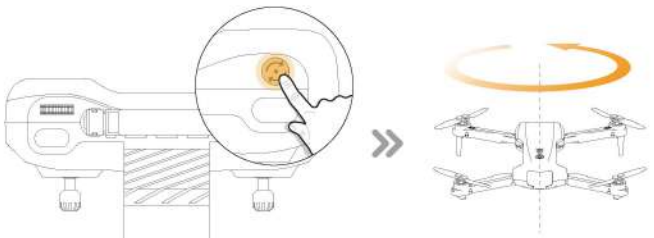


Take Photo: Short press the button on the transmitter to take a photo. The transmitter will beep once, signaling that a photo has been taken.

Record Video: Long press the button on the transmitter. The transmitter will long beep once, indicating that video recording has started. Press the same button again to stop recording.

3.1 Flight Functions ››

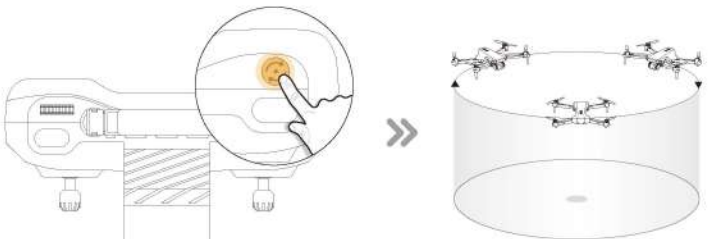
High Speed Rotation



Short press the button, the drone will enter the High Speed Rotation mode. Exit the High Speed Rotation mode by pressing the same button again or pushing the right joystick in any direction.

3.1 Flight Functions >>

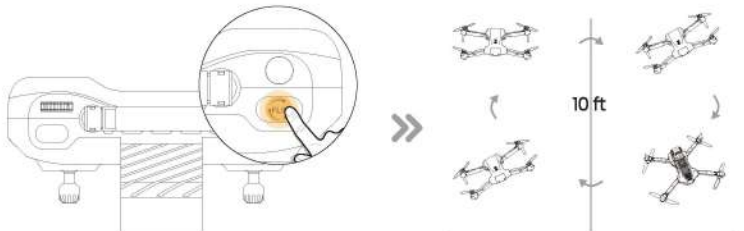
Circle Fly



Long press the button, the drone will enter the Circle Fly mode. Exit the Circle Fly mode by long pressing the same button again or pushing the right joystick in any direction.

3.1 Flight Functions >>

360° Flips



After you get familiar with all the functions of the drone, you can try this amazing flip mode. When the drone is at least 10 ft from the ground, press down on the FLIP button, then push the right joystick in any direction. The drone will perform a flip toward that direction.

360°Flip functions better when the battery is fully charged.

3.1 Flight Functions >>

Speed Switch



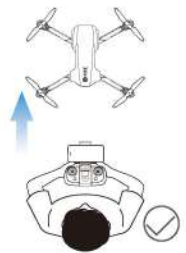
This drone offers three speed modes: Low, Middle and High. By default, it's set to Low speed. (The low speed is 6.5ft/s. The medium speed is 9.8ft/s. The high speed is 13ft/s.)

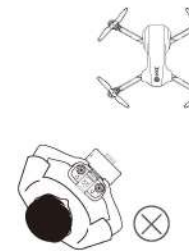
To toggle between the modes, give the button a short press. The transmitter beeps once to indicate Low Speed, beeps twice to indicate Medium Speed and beeps three times to indicate High Speed.

3.1 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.

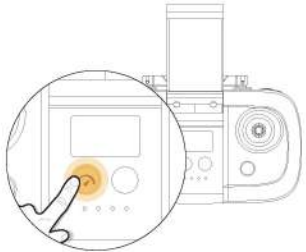




The pilot should stay facing the same direction that the drone' s head points to when it takes off.

3.1 Flight Functions >>

Headless Mode



1. **ACTIVATING:** Long press the button to activate this mode. While in Headless Mode, the drone's indicator lights will flash continuously, and the transmitter will keep beeping.

2. **DEACTIVATING:** Long press the button once more. A prolonged beep will sound, and the drone's indicator lights will return to a steady glow, indicating the drone has successfully exited Headless Mode.

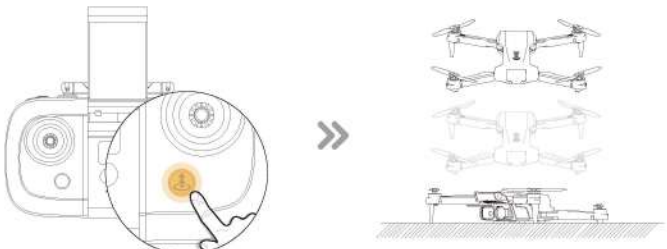
*** Why is the orientation of the drone important?**

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.

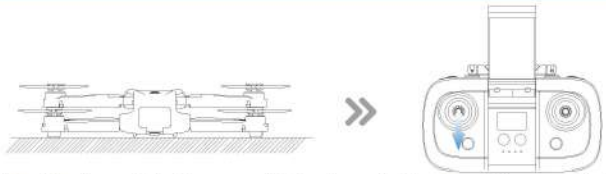
With the headless mode, the drone has a fixed "head." In Headless Mode, the drone always remembers the side its head points to during takeoff as the front side. This means that if the drone takes off with its head pointing forward, it doesn't matter how the drone is oriented in the air, when you push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

3.1 Flight Functions >>

Emergency Stop



1. The Emergency Stop function should only be used in an emergency during the flight to avoid any damage or injury. Long Press the button. The transmitter will long beep once. The drone will fall down immediately.



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.

3.2 Attitude Adjustment >>

Trimming

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

1 **Initiate Trim Mode:** Long press the Trim button.

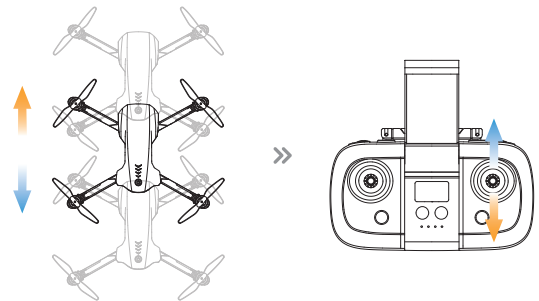
2 **L/R Sideward Trim:**

- 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:

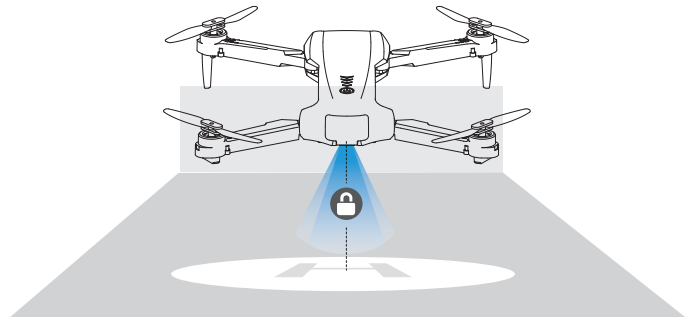
- If the drone drifts forward, push the right joystick downward.
- If the drone drifts backward, push the right joystick upward.



3 **Deactivate Trim Mode:** Once adjustments are made, long press the Trim button or stop operating the joysticks for 2 seconds to exit Trim Mode.

3.3 Stabilization Functions >>

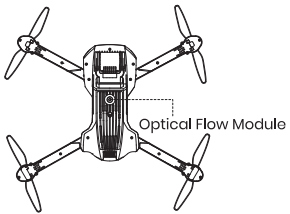
Altitude-Hold Function



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)

3.3 Stabilization Functions >>

Optical Flow Positioning



The Optical Flow Positioning System consists of a camera module, which acquires the position information of the drone through visual images to ensure precise positioning of the drone. The optimal usage height for Optical Flow Mode is 1.6-9.8ft.

⚠

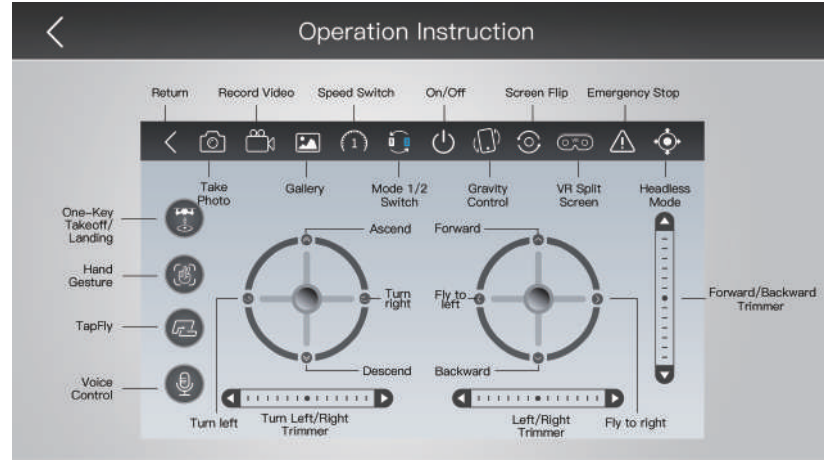
- The precision of the Optical Flow Positioning System is easily affected by the light intensity and features of the surface textures. Once the image sensor is not available, your drone will switch on the altitude-hold function automatically. Please exercise utmost caution when operating the drone under these circumstances:

3.3 Stabilization Functions >>

- Fly over surfaces without clear patterns or textures.
- Fly over extremely dark or bright surfaces.
- Fly in an area where the lighting changes dramatically and frequently.
- Fly over moving surfaces or objects. (e.g., above crowds, above bushes or grasses swayed by strong winds).
- Fly over water or transparent surfaces.
- Fly over highly light reflective surfaces. (e.g., mirrors).
- Fly over monochrome surfaces (e.g, pure black, red, or green).
- Flying over surfaces with repeating identical patterns or textures (e.g., tiles with the same design).
- Flying speed should be controlled not to be too fast.

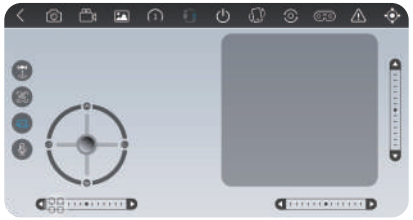
- Keep sensors clean at all times.
- DO NOT scratch or tamper with the sensors. DO NOT use the aircraft in dusty or humid environments.
- Make sure that the light is bright enough and the surface is with clear textures so that the Optical Flow Positioning can acquire the movement information through recognizing the ground textures

3.4 APP Operation Instruction >>



3.4 APP Operation Instruction >>

Return: Tap to return to APP main screen.
One Key Takeooff/Landing: The same feature as the one on transmitter. Tap to take off/ landing.
Hand Gesture: Tap to display the operation instructions. Slide the slider to the right to confirm and enter the hand gesture photo mode. When a ✌ gesture is detected, the app will initiate a 3-second countdown and automatically capture a photo when the countdown ends. Make sure you are within 3m distance and under a light-filled circumstance. When 🖐 gesture is detected, the drone will automatically start recording a video. When 🖐 gesture is detected again, it will complete the recording. Tap **Hand Gesture** again to exit the hand gesture photo mode.
TapFly: Tap to activate Tap Fly mode. At this point, the virtual joystick on the right side will be replaced by a designated box, as shown in the image below.



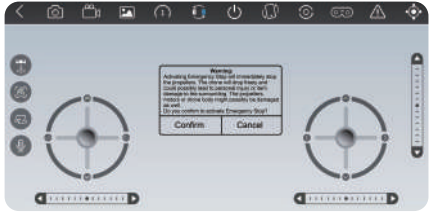
Draw a line freely within the designated box, and the drone will follow the drawn trajectory. The maximum distance for the aircraft's pointed flight is 3 meters. During Tap Fly, the drone cannot be manually controlled. Please ensure that there are no people or obstacles within a radius of five meters, while using this feature to prevent potential injury or damage to the drone. Tap TapFly again to exit Tap Fly mode, the drone will be manually control immediately.

3.4 APP Operation Instruction >>

Voice Control: Tap to activate the voice control mode for the drone. There are six voice commands: **Fly/Land/Forward/Backward/Left/Right**. Only English commands can be recognized and other languages are NOT supported. When the drone detects a voice command, it will respond accordingly. The app requires microphone access to use this feature. Ensure you are in an open area while using voice control. During voice-controlled flight, the drone cannot be manually controlled, so avoid obstacles or people to prevent potential injury or damage to the drone. Tap Voice Control again to exit voice control mode, the drone will be manually control immediately.
Take Photo: The same feature as the one on transmitter. Tap to take photo.
Record Video: The same feature as the one on transmitter. Tap to start/stop recording video.
Gallery: Tap to check photo gallery in the app.
Speed Switch: The same feature as the one on transmitter. Tap to switch speed. Only when it is on the drone can be controlled by virtual joysticks.
Mode 1/2 Switch: The same feature as the one on transmitter. Tap to switch joystick mode.
On/Off: Tap to turn on/off the virtual joysticks. Only when it is on the drone can be controlled by virtual joysticks. The virtual joysticks work just the same as real joysticks on transmitter. This feature is only effective when the transmitter is not connected.
Gravity Control: Tap to enter gravity control mode. In this mode, pilots can control the drone to forward, backward, left, and right movements by adjusting the tilt angle of your phone (only effective when virtual joystick is on). Tap **Gravity Control** again to exit gravity control mode.

3.4 APP Operation Instruction >>

Screen Flip: Tap to rotate the app screen 180 degrees.
VR Split Screen: This feature requires a VR device (sold separately, not necessarily be of Holy Stone brand). Tap to switch to VR mode and mount the phone onto the VR device. The drone cannot be controlled via VR devices. Using this feature allows the user to experience immersive flight, but it requires the presence of a spotter and the drone must always keep in sight of the spotter, because the user cannot see the UA directly and its surrounding. Tap **VR Split Screen** again to exit VR mode.
Emergency Stop: Tap **Emergency Stop**, and the app will pop up a confirmation prompt asking whether to execute the emergency stop function.



Note: 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 objects nearby, leading to injury or damage to valuable items. The drone may be broken and the propellers, motors and drone body may be damaged.

Headless Mode: The same feature as the one on transmitter. Tap to switch headless mode.

4.1 Specifications >>

- **DRONE**

Model: HS290	Weight: 128g/4.5oz
Max Flight Time: 12 minutes (in a windless environment)	Max Flight Height: 98ft/30m
Operating Temperature Range: 32° to 104°F (0° to 40°C)	Max Wind Speed Resistance:11ft/s
Size: 275*217*52mm (unfolded) 136*90*52 mm (folded)	
Max Flight Speed: 13ft/s	Max Takeoff Altitude: 3281ft/1000m

- **DRONE BATTERY**

Model: SDL-702562	Capacity: 1300mAh
Voltage: 3.7V	Max Charging Voltage: 4.37V
Charging Temperature Range: 41° to 104°F (5° to 40°C)	Energy: 4.81Wh
Charging Time: About 90 minutes	Battery Type: Lithium-ion Polymer Battery

4.1 Specifications >>

- **TRANSMITTER**

Model: HS290-YK	Operating Frequency: 2452-2474MHz
Battery Type: 3 × AAA Battery (not included)	Max Flight Distance: 328ft/100m (outdoor and unobstructed)
Operating Temperature Range: 32° to 104°F (0° to 40°C)	

- **CAMERA**

Operating Frequency: 2417MHz	Photo Resolution: 1920×1080P
Video Resolution: 1920×1080P@25fps	Max Transmission Distance: 164ft/50m (outdoor and unobstructed)
Controllable Range: -90° to 0°	Photo Formats: JPEG
Video Formats: MP4	

- **USB CHARGING CABLE**

Input: 5V/2A	Rated Power: ≤10W

4.2 Contact Us >>

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

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au@holystone.com (Australia)
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4.3 Troubleshooting >>

Issue	Suggested Solutions
Lag in the drone's response to the transmitter.	Transmitter battery is low. It is recommended to replace the transmitter batteries.
	Beyond the transmitter's range. It is advised to fly within a safe range.
Drone Drift.	Ineffective or poor optical flow. It is recommended not to fly the drone in dimly lit areas, on highly reflective or overly smooth surfaces, or over water. Also, avoid flying too high. (See page 34)
Unable to control drone's flight via the app.	The drone's aerial movements can be controlled by either the transmitter or the cellphone, but not both simultaneously. To use the app for flying the drone, ensure the transmitter is switched off first.
App is not functional.	Permission or compatibility issues. It is recommended to download the latest version of the app. When opening the app, ensure that all requested permissions are granted; your phone's operating system must meet the app's requirements; alternatively, try using a different phone.

4.4 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/HS290_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.

4.4 Compliance Information >>

RF Exposure

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

IC Notice:

This device complies with Canada Industry licence-exempt RSS standard(s).
Operation is subject to the following two conditions:
(1) this device may not cause interference; and
(2) this device must accept any interference. Including interference that may cause undesired operation of the device.

CAN ICES-003 (B):

Avis d' Industrie Canada
Le présent appareil est conforme aux CNR d'industrie Canada applicables aux appareils radio exem pts de licence L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage; et
(2) l'utillsateur de l'appareil doit accepterbrouillage radioélectrique subi meme si le brouillage est susceptible d'encompromettre le fonctionnement. mauvais fonctionnement de l'appareil. Cet appareil numériquie de la classe B est conforme à la norme NMB-003 du Canada.

4.4 Compliance Information >>

CAN NMB-003: (B)

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 lasource de rayonnement et votre corps.

EU RF Power(EIRP): <10 dBm (2452MHz-2474 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 HS290 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.

4.4 Compliance Information >>

The full EU declaration of conformity is accessible at the following website:
http://www.holystone.com/Download/CE/HS290_EU_DOC.pdf
This product can be used among EU member states.

MANUFACTURER INFORMATION:
Manufactured by
Xiamen Huoshiquan Import & Export CO.,LTD.
Address: Unit 1, Room 501, Hongxiang Building, No.258 Hubin Nan Road, Siming District, Xiamen, China
+1 (833) 766-4733

MTOM Statement
HS290 is a quadrotor drone. The MTOM of HS290 is 128g, 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.

4.4 Compliance Information >>

List of Items including qualified accessories
1. HS290 Propellers (Model: HS290-FY, 1,8g each propeller, 41000RPM)
2. HS290 Flight Battery (approx. 31g)

List of Spare and Replacement Parts
1. HS290 Propellers (1,8g each propeller)
2. HS290 Flight Battery (approx. 31g)

MADE IN CHINA(CN)

List of Safe Guards
Below is the list of the safeguards and operation safeguards for HS290.
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. The Optical Flow Positioning. Refer to the Optical Flow Positioning section for details.
3. Prevent the drone from flying in restricted airspace. Refer to the Flight Environment Requirements section for details.
4. 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 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.
In the future, new versions of the app will be released through the app store. Users can update the app by scanning the QR code in the instruction or searching "HS FPV" on the app store.