

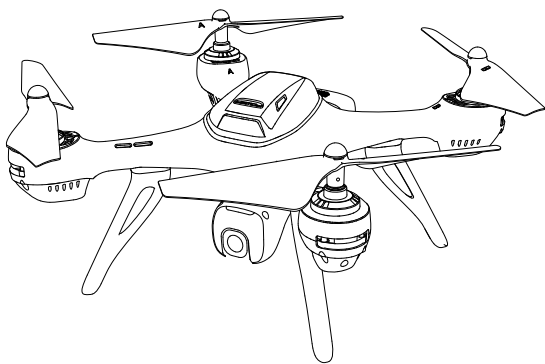


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# Instructions For Use

## Gebrauchsanweisung

V1.0



HS130D

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English

01-35

Deutsch

36-67

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## **1.0 DISCLAIMER & WARNING**

1. Please read this Disclaimer & Warning and Safety Guidelines carefully before using our product. This product is not recommended for people under the age of 14. By using this product, you hereby agree to this disclaimer and signify that you have read it fully. You agree that you are responsible for your own conduct and any damaged caused while using this product, and its consequences . You agree to use this product only for purposes that are proper and in accordance with local regulations, terms and all applicable polices and guidelines Holy Stone may make available.

2. When using this product, please be sure to strictly abide by the specification requirements and safety guidelines stated in this document. Any personal injury property damage, legal disputes and all other adverse events caused by the violation of the safety instructions or due to any other factor, WILL NOT be Holy Stone's responsibility.

## **2.0 SAFETY GUIDELINES**

### **2.1 Check Before Use:**

- ① This product is a high precision drone that integrates various electronic stability and control mechanisms. Please be sure to setup this drone carefully and correctly to ensure safe, accident-free operation.
- ② Please be sure that the batteries of the drone and transmitter are clean, undamaged and, fully charged.
- ③ Please be sure that all the propellers are undamaged and are installed in the correct orientation.

④ Please do a thorough check of the product before each use. Inspect the integrity of the parts, any signs of cracks and wear of the propeller, battery power and effectiveness of the indicator, etc. If after doing a complete check any issues are found, please refrain from using the product until the issue has been resolved.

## 2.2 Flight Environment:



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**Fly in Open Areas**

**Maintain Line of Sight**

**Fly Below 390 feet (120 m)**



Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airport or bodies of water.

DO NOT fly near strong electromagnetic sources such as power lines and base stations as it may affect the onboard compass.



Don't use this drone in adverse weather conditions such as rain, snow, fog, and wind.

## 2.3 Operation Requirements :

- ① Please don't use this product to follow any moving vehicles .
- ② During the flight, only turn off the motor in case of an emergency.
- ③ As battery becomes low return the drone back to your starting point.
- ④ This product should not be used while drinking alcohol, if you are feeling fatigued, taking medicine, or feeling any physical discomfort.
- ⑤ Beware of the noise volume the drone produces. Keep your distance to avoid ear damage.



- ⑥ **Stay away from the rotating propellers and motors.**
- ⑦ **Don't fly in the No-Fly Zone.**

## 2.4 Use of Battery:

- ① Please ensure batteries are fitted in the correct orientation as shown in the instruction manual.
- ② Avoid short circuits by fitting the batteries correctly, and do not crush or squeeze the batteries as this could carry the risk of an explosion.
- ③ Do not mix new and old batteries as this can lead to a poor performance of the product.
- ④ Dispose used batteries carefully, do not litter.
- ⑤ Please keep dead batteries away from heat and fire.
- ⑥ If the device is not going to be used for an extended period of time, remove batteries to prevent potential damage from battery leakage.

- ⑦ It is recommended to only use the USB charging cable that comes with the drone to charge the battery.
- ⑧ Don't connect the battery directly to wall outlets or car cigarette lighter sockets.
- ⑨ Don't attempt to disassemble or modify the battery in any way.
- ⑩ Don't use the battery if it gives off an odor, generates heat, becomes discolored or deformed, or appears abnormal in any way. If the battery is in use or being charged, remove it from the device or charger immediately and discontinue use.
- ⑪ Don't pierce the battery casing with a nail or other sharp object, break it open with a hammer, or step on it!
- ⑫ Always charge the batteries in a fireproof container and away from combustible materials. Don't charge on surfaces that can catch fire. This includes: wood, cloth, carpet, or in the application's device.
- ⑬ Don't immerse the battery in water or allow it to get wet.
- ⑭ Don't solder battery terminal directly.
- ⑮ Keep battery out of reach of children or pets.
- ⑯ Don't short-circuit the battery by connecting wires or other metal object to the positive(+) and negative(-) terminals.




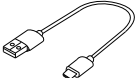
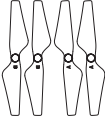


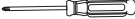



**Li-Po Battery Disposal & Recycling**  
Waste Lithium-polymer batteries must not be placed with household trash.  
Please contact local environmental or waste agency or the waste agency  
or the supplier of your model or your nearest Li-Po battery recycling center.

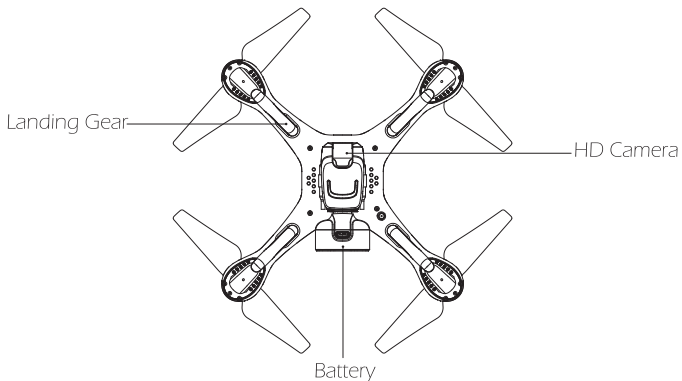
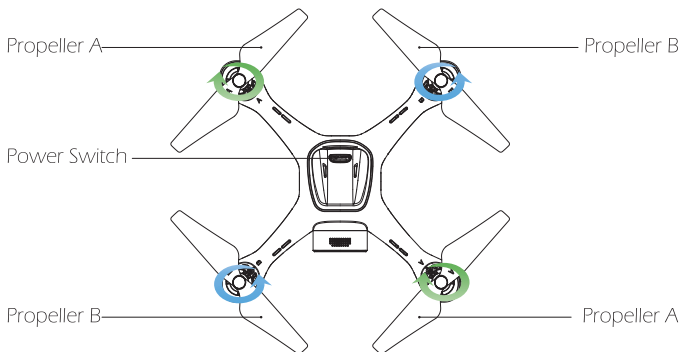
## 3.0 MAINTENANCE

- ① Clean the product after each use with a clean, soft cloth.
- ② Avoid prolonged exposure to direct sunlight and avoid buildup of heat on the drone.
- ③ This device is not waterproof and must not be submerged in water under any circumstance. Failure to maintain the device completely dry will result in the failure of the unit.
- ④ Check the charging plug and other accessories for signs of damage frequently. If any part of the device is damaged, refrain from flying until maintenance can be carried out.

## 4.0 PACKAGE CONTENTS

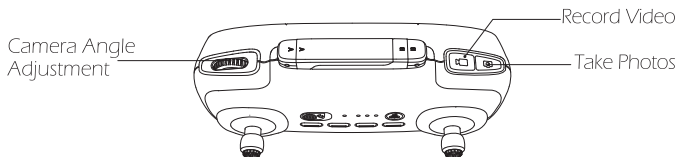
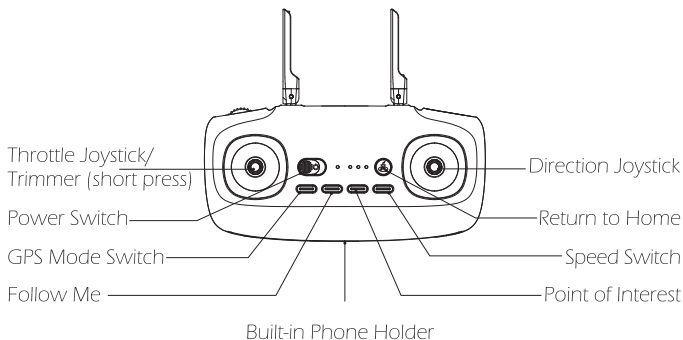
 × 1	 × 1	 × 1
Drone	Transmitter	Drone Battery
 × 1	 × 1	 × 4
USB Charging Cable	Propeller	Propeller Guard
 × 2	 × 1	 × 1
Landing Gear	Screwdriver	Instructions For Use

## 5.0 DRONE'S DETAILS



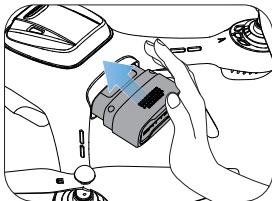


## 6.0 TRANSMITTER DETAILS



## 7.0 INSTALLATION

### 7.1 Drone Battery

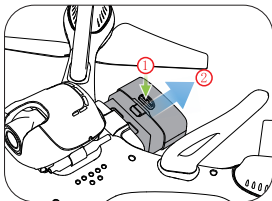


**Installation:** Push the battery into the battery compartment at the rear of the drone. Make sure that you hear a click sound indicating the battery is firmly installed.

**Attention:**

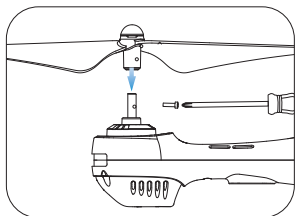
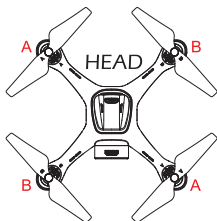
- The battery should be installed firmly, failure to do so may affect the flight safety of your drone. The drone may crash due to power-cut during the flight.

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**Removal:** As shown above, press and hold the buckle on the bottom of the battery while pulling backwards to remove the battery.

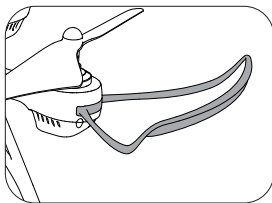
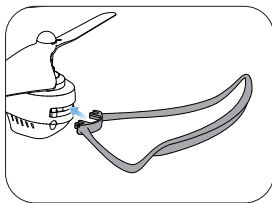
## 7.2 Propellers



The drone will not fly unless the correct propeller is installed on the correct motor shaft.

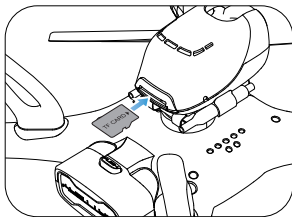
See illustration above. An “A” or “B” is printed on the each propeller. Lock the propeller to the motor shafts with screw rotating each screw clockwise.

## 7.3 Propeller Guard



To prevent accidents or injuries, we suggest the pilot to install the propeller guard. Attach the propeller guard to the motor base to complete the installation.

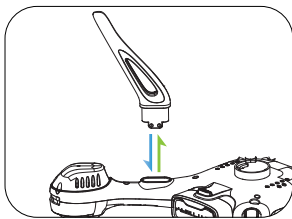
## 7.4 TF Card



As shown in the above figure, slide the TF card (not included) into the TF slot on the back of the camera.

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## 7.5 Landing Gear



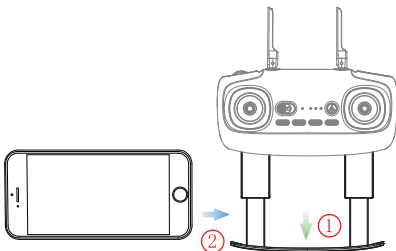
**Installation:** Align the landing gear frame to the fuselage and place it to the right place.

**Removal:** Pull out the landing gear.

**Attention:**

- The landing gear should be installed firmly, failure to do so may affect the flight stability.

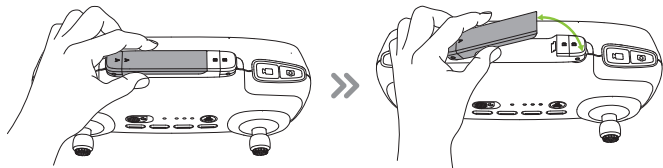
## 7.6 Phone Holder



As shown above, pull the phone holder down and insert the phone.

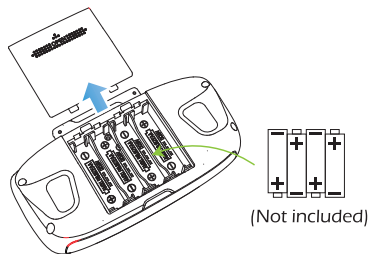
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## 7.7 Antenna



There is a buckle on the antenna, please follow the steps shown above to open the antenna.

## 7.8 Transmitter Battery



Step 1: Open the battery cover.

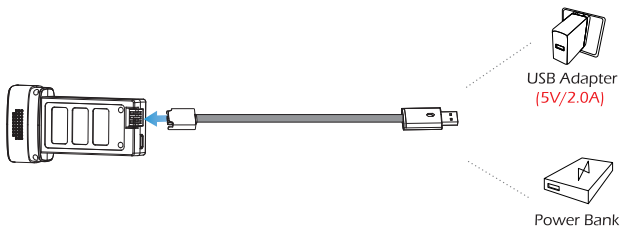
Step 2: Install 4\*AA batteries into the battery compartment according to the given polarity.

Step 3: Close the battery compartment .



- Insert batteries with correct polarity.
- Do not mix old and new batteries.
- Exhausted batteries are to be removed from the transmitter.

## 8.0 CHARGING



- ① Connect the battery to the USB charging cable.
- ② Connect the USB charging cable with power bank or a USB Adapter (5V/ 2.0A ) for charging.
- ③ When the battery is charging, the light on the USB charging cable is red.
- ④ When the battery is full charged, the light turns green.
- ⑤ The charging time of a single battery is about 150 minutes.



· Before charging, please check the contents of the “ **Use of Battery**” section of the “ **Safety Guidelines**” carefully!

## 9.0 OPERATION GUIDE

### 9.1 Download APP



iOS



Android APP on Google play

Scan the QR code, corresponding to either App Store™ or Google Play™ Store and download the **HS GPS V3** app for free.

**Required Operating Systems:** iOS 9.0 or later / Android 4.3 or later

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### 9.2 Connect to Wi-Fi

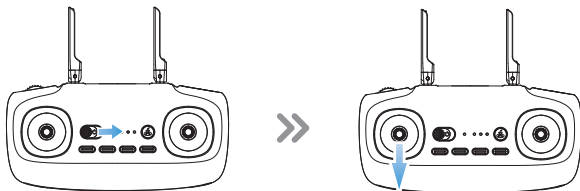
Connect your smart phone to the Wi-Fi network created by the drone. Check the drone's status in the **HS GPS V3** app.

- ① Your smartphone will launch a search of the available Wi-Fi networks:
- ② Select the Wi-Fi network: **HolyStoneFPV-\*\*\*\*\***.
- ③ Wait for several seconds until your smartphone connect to the Wi-Fi network of the drone. **This connection is generally represented by the Wi-Fi logo appearing on your smartphone's screen.**
- ④ Launch the **HS GPS V3** application.

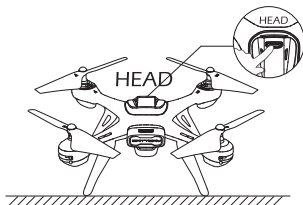
> The connection between your smartphone and the drone will be established automatically.



## 9.3 Pairing



① Turn on the transmitter, and the indicator light will flash quickly. Pull down the throttle joystick to the lowest position and release it. When the indicator light flashes slowly, it indicates that the transmitter has entered the pairing state.

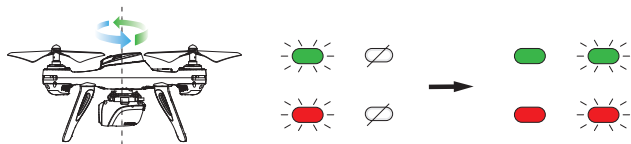


② Long press the Power Switch to turn on the drone, and place it on a level surface with the head forward. Once the transmitter sends out a “Di” sound, it means that the drone has been successfully paired with the transmitter.

### Tips:

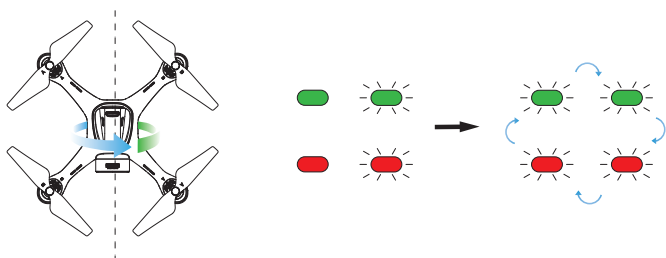
- Before take off, please turn on the power of the transmitter before turning on the drone. After finishing the flight, please power off the drone first, and then power off the transmitter.

## 9.4 Calibrating the Compass



### Step 1:

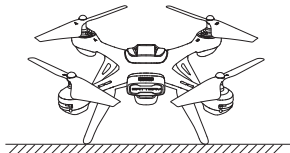
Hold the drone horizontally and rotate the drone in 3 complete circles. When completed, the transmitter will emit a beep and the left indicator lights are solid on and the right indicator lights are flashing.



### Step 2:

Hold the drone vertically and rotate the drone in 3 complete circles. When completed, the transmitter will emit a beep and the four lights flash alternately.

## 9.5 GPS Searching

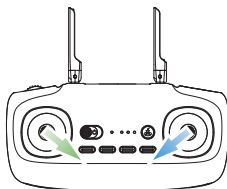


After compass calibration, the drone will search for GPS signals automatically. When the blue indicator light on the transmitter changes from blinking to solid on, it indicates that the GPS connection is successful.

### Tips:

- Without GPS, the drone can only fly at a height of 13 feet.
- 

## 9.6 Unlocking & Locking

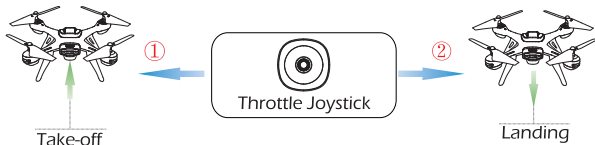


**Unlocking:** Push the throttle and direction joystick inward to the 45 degree angle simultaneously. The motors rotate and the drone is unlocked.

**Locking:** When the drone is not take off, the motor stops rotating and the drone is locked.

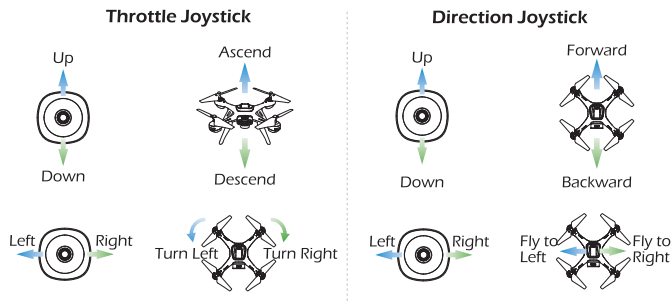
## 9.7 Takeoff & Landing

- Please unlock the motor before take-off.



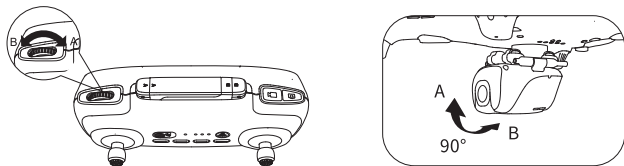
- ① After unlocking the motor, push up the throttle joystick slowly and the drone rise slowly.
- ② During the flight, push down the throttle joystick slowly and the drone land slowly until landing.

## 9.8 Flight Control



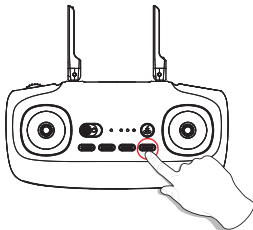
## 10.0 FUNCTION DETAILS

### 10.1 Camera Angle Adjustment



During the flight, you can dial the wheel right / left to tilt the camera up/down. (The gimbal has an 90° tilt range.)

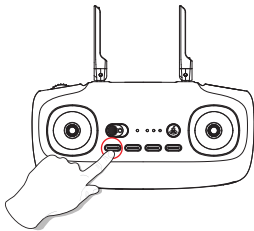
### 10.2 Speed Switch



This drone comes with 3 speed modes (Low/ Medium/ High). Press the Speed Switch button on the transmitter to switch the speed. “Di” indicates Low speed, “Di Di” indicates Medium speed and “Di Di Di” indicates High speed.

(The Medium Speed is default speed mode.)

## 10.3 GPS Mode Switch



When turning on the transmitter, the default mode is the GPS Mode.

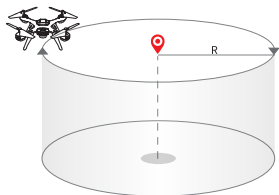
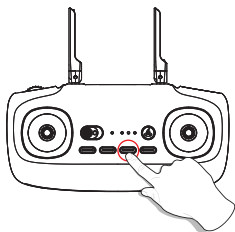
**GPS OFF:** Press the GPS switch button, the transmitter will sound “Di” , and the blue indicator of the transmitter will turn off, it means the GPS is off.

**GPS ON:** Press the same button again to restart GPS.

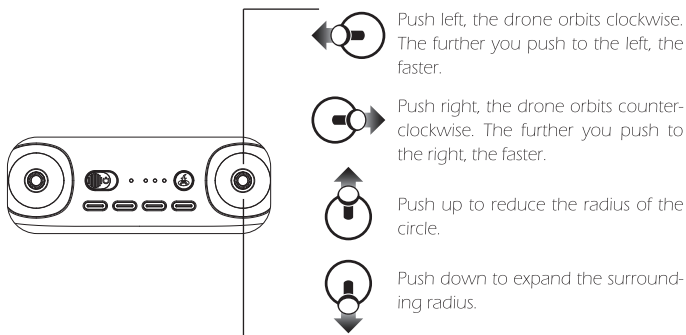
### **Tips:**

- This operation is only used when the motor is locked.
- Before flying, make sure the GPS Mode is turned on in case the drone gets lost!

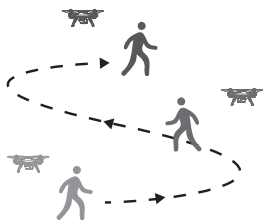
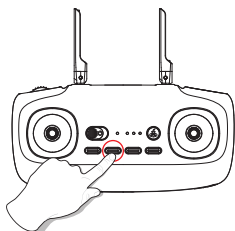
## 10.4 Point of Interest



Short press the “Point of Interest” button to enter the Point of Interest function. You can control the speed and direction of the drone by using the direction joystick, and control the altitude by using the throttle joystick. The default orbit radius is 13 feet, and the drone can only fly out of this radius.



## 10.5 Follow Me



Short press the “Follow Me” button to enter Follow Me mode. When the Follow Me function is enabled, the drone will follow the GPS in your smart phone to follow you wherever you go.

### **Common Issues:**

- ① The Follow Me function can only be used if the flight range is within 98 feet.
- ② Follow Me mode may be difficult to activate if the phone's GPS signal is too weak. This could be due to the signal loss from surrounding buildings, trees, or congestion from too many mobile phones in the area.
- ③ Use in an open area and be mindful of your surroundings. The drone is NOT equipped with obstacle avoidance.



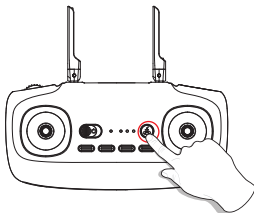
## 10.6 Return to Home (RTH)

The Return to Home (RTH) function brings the drone back to the last recorded take-off point. This function can only be achieved in GPS mode. There are three types of RTH:

Smart RTH / Low Voltage RTH / Failsafe RTH.

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### 10.6.1 Smart RTH



Press the “Return to Home” button on the transmitter, then the drone will fly back to the take-off point and the transmitter will emit a “Di..., Di...” alert.

Exit the RTH mode by pressing the “Return to Home” button again.



- During the return flight, the direction joystick of the transmitter will not be able to control the drone. You must wait until the drone returns to the take-off point and keep the same direction as the take-off direction to restore control.

## 10.6.2 Low Voltage RTH

When the the transmitter emits a “Di..., Di...” alert and the drone indicator lights change from solid to blinking, it means that the battery is in low voltage. The drone will enter the Low Voltage RTH mode and fly back over the take-off point.

At this time, the drone can only fly within a safe range of the height no more than 65 feet and the distance no more than 65 feet .

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## 10.6.3 Failsafe RTH

Failsafe RTH will be triggered if the signal between the drone and the transmitter lost. The drone will automatically start the return procedure and it will fly back to the take-off point.



- During the Failsafe RTH procedure, the drone can not avoid obstacles.
- The drone cannot Return-to-Home if the GPS signal is weak.

## 10.7 Trimmer Function



### F/B Sideward Fly Trim

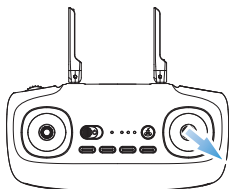
If the drone drifts forward or backward, press the left joystick down and push the right joystick down or up.



### L/R Sideward Fly Trim

If the drone drifts left or right, press the left joystick down and push the right joystick to the right or left.

## 10.8 Calibrating the Gyro

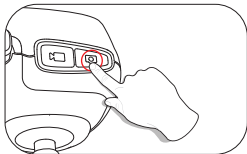


Push the direction joysticks down to the bottom right to calibrate the gyro. The indicator lights on the drone will change from flash to solid on, and one beep will be heard from the transmitter, indicating calibration is completed.

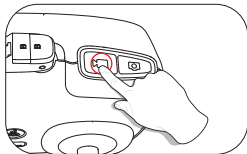
### Tips:

- This action is used when flying abnormally.

## 10.9 Take Photos / Video



**Take Photos:** Short press the Photo button on the transmitter to take pictures. When one beep is heard from the transmitter, this indicates the camera has successfully taken a picture.



**Record Video:** Short press the Video button on the transmitter, 2 beeps from the transmitter will be heard. This tells you that the camera has started recording video. By pressing the Video button again to exit recording.

### Tips:

- ① Photos taken will be saved to mobile album and the TF card. The video is only saved in TF card, you can download it to mobile album, please follow the APP prompt to download the video. Keep the mobile phone connected to the drone when downloading, and make sure the TF card is installed in the slot.
- ② The APP must be authorized to read the mobile album to view the photos taken.
- ③ Turn off the power supply of the drone before taking out the TF card.

## 1 1.0 SPECIFICATIONS

### DRONE

Model: HS130D

Weight: 230g / 8oz

Flight Time: 15 minutes (single battery)

Operating Temperature Range: 32° to 104°F

Dimensions: 180 x 160 x 63mm

### DRONE BATTERY

Capacity: 1050 mAh

Voltage: 7.4 V

Battery Type: Li-Po

Energy: 7.77 Wh

Charging Temperature Range: 41° to 104°F (5° to 40°C)

Charging Time: 150 minutes

### TRANSMITTER

Operating Frequency: 2.4 GHz

MAX Transmission Distance: 984 feet / 300m (outdoor and unobstructed)

Battery: 4× 1.5V AA batteries (not included)

Operating Temperature Range: 32° to 104°F

## CAMERA

Camera frequency: 5 GHz

Video/ Photo Resolution: 2048×1152P (stored in TF card)

1280×720P (stored on mobile phone)

FPV Distance: 492~984 feet / 150~300m (outdoor and unobstructed)

Transmission Frame Rate: 25 fps

Photo: JPEG

Video: AVI / MP4

MAX Supported TF Cards: 64 GB (not included)

Controllable Range: Pitch: -90° to 0°

Operating Temperature Range: 32° to 104°F

## USB CHARGING CABLE

Voltage: 5 V

Rated Power: ≤10 W

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## 12.0 CONTACT US

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

✉ [usa@holystone.com](mailto:usa@holystone.com) (America)  
[ca@holystone.com](mailto:ca@holystone.com) (Canada)  
[eu@holystone.com](mailto:eu@holystone.com) (Europe)

☎ +1(855) 888-6699

## 13.0 GENERAL INFORMATION

### FCC Statement:

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

NOTE: 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.

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

#### 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. This part belongs to the drone.

RF warning for Portable device: The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction. This part belongs to the transmitter.

#### 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-3 (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'utilisateur de l'appareil doit accepter brouillage radioélectrique subi même si le brouillage est susceptible d'en compromettre le fonctionnement. mauvais fonctionnement de l'appareil. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAN NMB-3 (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 minimum distance 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.

## HOW TO RECYCLE THIS PRODUCT

This symbol on the product or its documentation indicates that it must not be disposed of with household waste.

Uncontrolled waste disposal may harm the environment or human health. Please separate your device from other types of waste to recycle it responsibly.

This will help to foster the sustainable re-use of material resources.

We invite you to contact your retailer or inquire at your local town hall to find out where and how the drone can be recycled.

## BATTERY WARNING:

1. Failure to follow all the instructions may result in serious injury, irreparable damage to the battery and may cause a fire, smoke or explosion.
2. Always check the battery's condition before charging or using it.
3. Replace the battery if it has been dropped, or in case of odor, overheating, discolouration, deformation or leakage.
4. Never use anything other than the approval LiPo charger the battery. Always use a balancing charger for LiPo cells or a LiPo cell balancer. It is recommended that you do not to use any other charger than the one provided with the product.
5. The battery temperature must never exceed 60°C (140°F) otherwise the battery could be damaged or ignite.
6. Never charge battery on a flammable surface, near flammable products or inside a vehicle (preferably place the battery in a non-flammable and nonconductive container).
7. Never leave the battery unattended during the charging process. Never disassemble or modify the housing's wiring, or puncture the cells. Always ensure that the charger output voltage corresponds to the voltage of the battery. Do not short circuit the batteries.
8. Never expose the LiPo battery to moisture or direct sunlight, or store it in a place where temperatures could exceed 60°C(car in the sun, for example).
9. Always keep it out of reach of children.
10. Improper battery use may result in a fire, explosion or other hazard.



11. Non-rechargeable batteries are not to be recharged. Rechargeable batteries are only to be charged under adult supervision.
12. Different types of batteries or new and used batteries are not to be mixed.
13. Batteries are to be inserted with the correct polarity.
14. The supply terminals are not to be short-circuited. Regular examination of transformer or battery charger for any damage to their cord, plug, enclosure and other parts and they must not be used until the damage has been repaired.
15. The packaging has to be kept since it contains important information.
16. The toy is only to be connected to Class II equipment bearing the symbol.



EU RF Power(EIRP): 10dBm (2413MHz ~ 2461 MHz)

#### Caution

1. The max operating of the EUT is 45°C. and shouldn't be lower than -10°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 essential requirements compliance with the  
Directive 2014/53/EU, the RoHS Directive 2011/65/EU and Safety  
Directive 2009/48/EC have been fully fulfilled on our product with  
indication below:

Product Name: REMOTE CONTROL MODEL/RADIO CONTROLLED  
Model/Mark : HS130D/HOLYSTONE

The Statement of compliance is available at the following address:  
[http://www.holystone.com/Download/CE/HS130D\\_EU\\_DOC.pdf](http://www.holystone.com/Download/CE/HS130D_EU_DOC.pdf)  
This product can be used across EU member states.

## MANUFACTURER INFORMATION

Manufactured by  
Xiamen Huoshiquan Import & Export CO., LTD  
Room 703, No. 813-2 Xiahe Road, Siming District, XIAMEN, China  
+1 (855) 888-6699



**Made in China**