

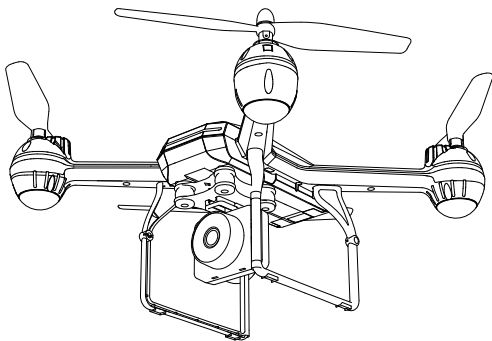


14+  
age


# Instructions For Use

日本語マニュアル

V1.0



HS140

 +1(855) 888-6699

 [www.holystone.com](http://www.holystone.com)

 [usa@holystone.com](mailto:usa@holystone.com) (USA)  
[ca@holystone.com](mailto:ca@holystone.com) (CA)

[jp@holystone.com](mailto:jp@holystone.com) (JP)



English

01-31

日本語

32-60

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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  
328 feet (100 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.



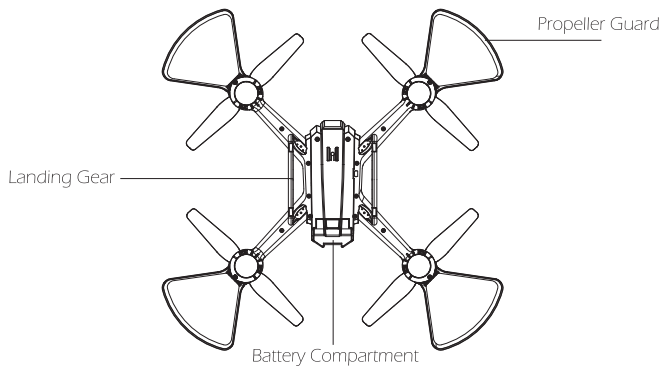
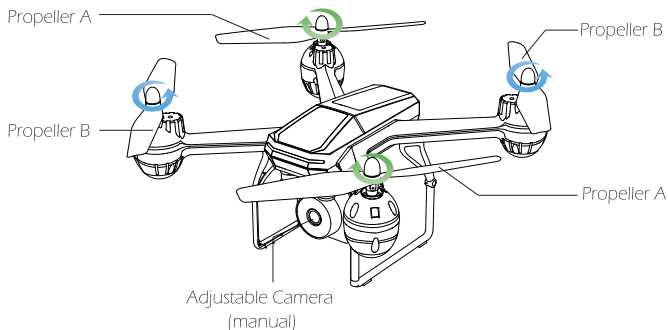
## 3.0 MAINTENANCE

- 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.

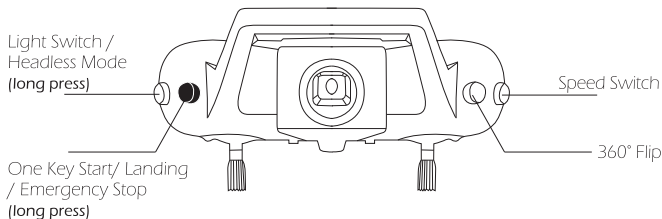
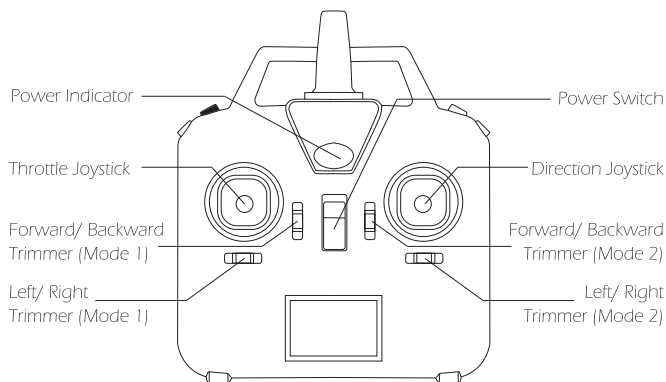
## 4.0 PACKAGE CONTENTS

|   |  |   |
|---|--|---|
|  <p>× 1</p>  |  <p>× 1</p> |  <p>× 1</p>  |
| <p>Drone</p>  | <p>Transmitter</p>   | <p>Drone Battery</p>  |
|  <p>× 1</p>  |  <p>× 4</p> |  <p>× 4</p>  |
| <p>USB Charging Cable</p>   | <p>Propeller Guard</p>   | <p>Propeller</p>  |
|  <p>× 2</p> |  <p>× 1</p> |  <p>× 1</p> |
| <p>Landing Gear</p>   | <p>Screwdriver</p>   | <p>Instructions For Use</p>   |

## 5.0 DRONE'S DETAILS



## 6.0 TRANSMITTER DETAILS

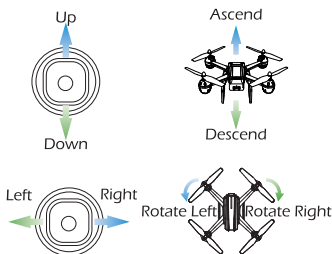




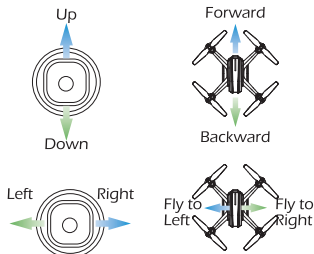
## 7.0 JOYSTICK MODE

### 7.1 MODE 2 (Left hand throttle MODE 2 will be default setting.)

#### Left Joystick



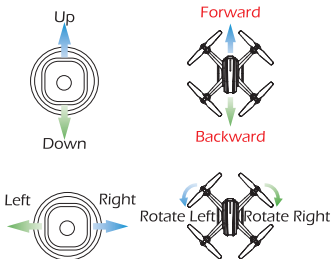
#### Right Joystick



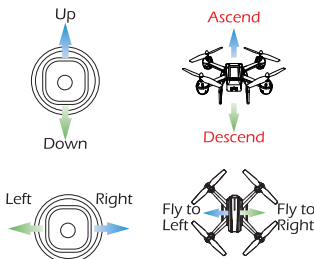
### 7.2 MODE 1

To enter MODE 1, turn on the transmitter while holding the “Headless Mode” button. (Please do not release the “Headless Mode” button until the transmitter is powered on.)

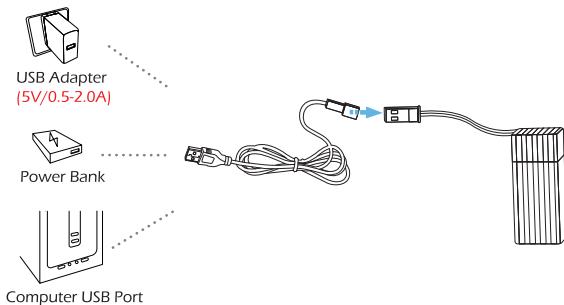
#### Left Joystick



#### Right Joystick



## 8.0 CHARGING



1) When the drone battery runs low, the indicator lights on the drone will flashes continuously. And the drone will land automatically after about 30 to 60 seconds.

2) Remove the battery and connect the USB charging cable to the battery charging interface.

3) Plug the USB charging cable into a USB charging port on the computer, power bank or USB adapter (5V / 0.5 to 2.0A ).

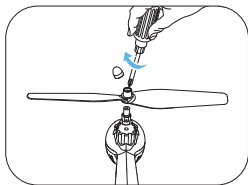
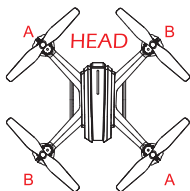
4) The red indicator light on the USB charging cable will turn on when the battery is charging, and will turn off when the battery is fully charged.

5) Charging time: about 120 minutes.

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

## 9.0 INSTALLATION

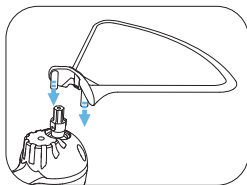
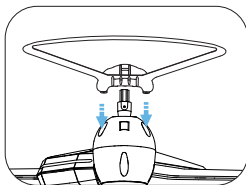
### 9.1 Propellers



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 shaft with screw rotating each screw clockwise.

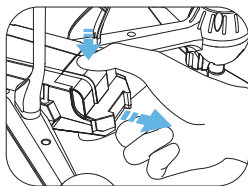
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### 9.2 Propeller Guard

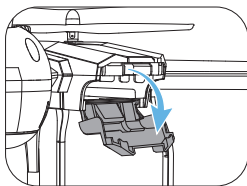


As shown in the picture, install the propeller guard into the slot on the motor base. Make sure that the propeller guard is fixed on the motor base.

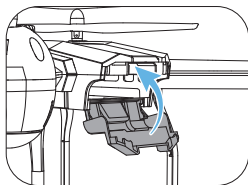
## 9.3 Drone Battery



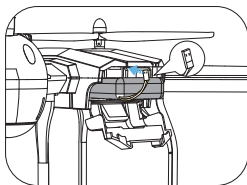
Pic.1



Pic.2



Pic.4



Pic.3

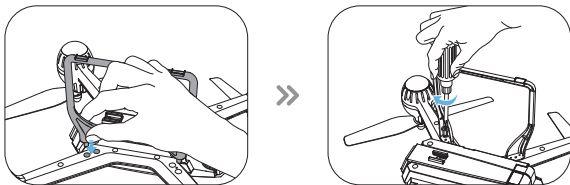
**Step 1:** Put your thumb and index finger on the designated position, then pull backward with appropriate force to open the battery door. (Pic.1)

**Step 2:** Turn over the battery cover. (Pic.2)

**Step 3:** Slide the battery into the battery compartment and power on the drone. (Pic.3)

**Step 4:** Tidy up the cable and then close the battery cover. (Pic.4)

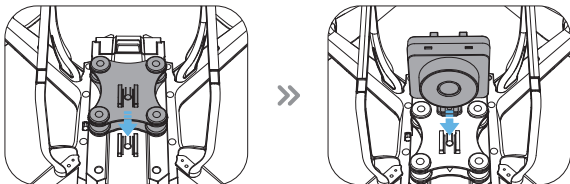
## 9.4 Landing Gear



Insert the landing gear plug into the socket locating at the bottom of the drone, then align and fix the landing gear by screwing clockwise.

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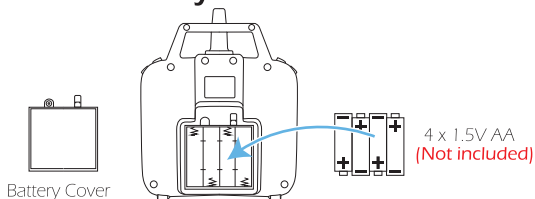
## 9.5 Camera



**Step 1:** Attach the vibration-absorbing connector to the slot at the bottom of drone by slide-in firmly.

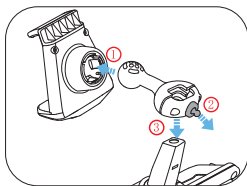
**Step 2:** Attach the camera to the slot of the vibration-absorbing connector by slide-in firmly.

## 9.6 Transmitter battery

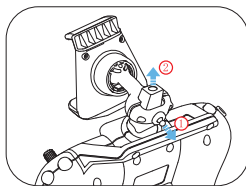


Please pay attention to the positive and negative polarity of the battery to ensure the correct installation of the battery.

## 9.7 Phone Holder



Pic.5



Pic.6

**Installation:** ① Connect the stand bar to the phone holder. (Pic.5)

② Uncork the stand bar lock center, then push down with appropriate force to install the phone holder at the top of remote controller. Once you will hear a click sound, it indicates the phone holder installs firmly. (Pic.5)

**Removal:** Pull back the lock center of the stand bar and slowly push up the connecting ring, the phone holder would be taken down. (Pic.6)

## 10.0 OPERATION GUIDE

### 10.1 Download APP



iOS



Android APP on Google play

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

**Required Operating Systems:** iOS 9.0 or later / Android 5.0 or later

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### 10.2 Connect to Wi-Fi

Connect your smart phone to the Wi-Fi network created by the drone. Check the drone's status in the **Ophelia FPV** 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.*

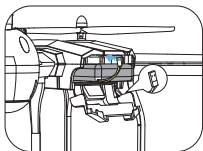
- ④ Launch the **Ophelia FPV** application.

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

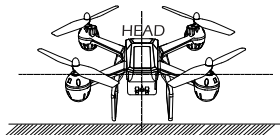
All of the following operations on this manual takes MODE 2 for example.

## 10.3 Pairing

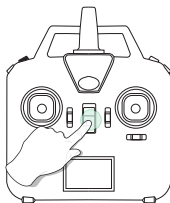
① Connect the battery port access to the fuselage power port and the indicator lights on the drone begins to flash.



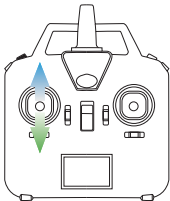
② Place the drone on a flat and level surface with the head forward and the tail towards the pilot.



③ Push the power button to “ON” status to turn on the transmitter, then the indicator light on the transmitter will flash.

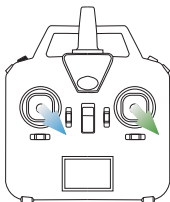


④ Push the left joystick up then down to pair the drone with the transmitter. The indicator lights on the drone and the transmitter will turn solid if the drone is paired successfully.





## 10.4 Calibrating the Gyroscope

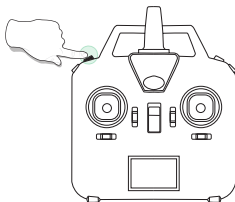


Simultaneously push the left and right joystick to the lower right corner to calibrate the gyro. When the indicator of the drone changes from flashing to solid on, it means the calibration is completed.

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

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## 10.5 One Key Start/ Landing



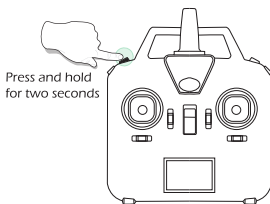
① After pairing / calibration, short press the One Key Start/ Landing button, the propellers will start spinning at low speed. Slowly push the throttle joystick up to take off.

② When the drone is flying, press the same button again, the drone will land by itself.

## 11.0 FUNCTION DETAILS

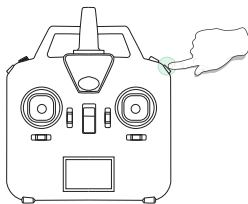
### 11.1 Emergency Stop

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



Press and hold the Emergency Stop button for about two seconds to trigger the Emergency Stop function, the motors will stop immediately.

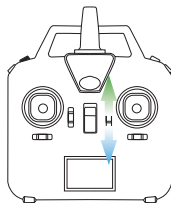
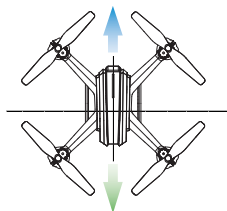
### 11.2 Speed Switch



This drone comes with 2 speed modes (Low/ High). Press the Speed Switch button on the transmitter to switch the speed.

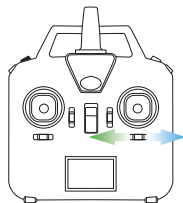
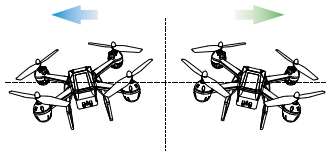
“Di” indicates Low speed, “Di Di” indicates High speed. (The Low Speed is default speed mode.)

## 11.3 Trimmer Function



**F/B Sideward Fly Trim** : If the drone drifts forward, slide the F/B Trimmer button down to re-balance the drone. If the drone drifts backward, slide the F/B Trimmer button up to re-balance the drone.

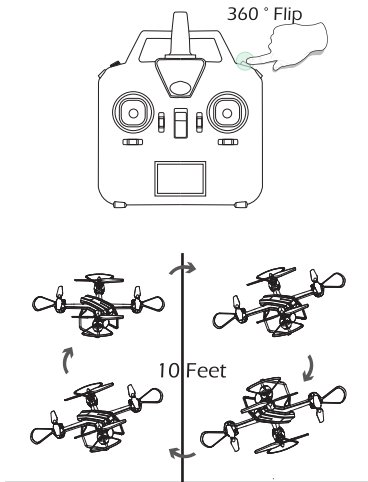
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**L/R Sideward Fly Trim** : If the drone drifts to the left, slide the L/R Trimmer button to the right to re-balance the drone. If the drone drifts to the right, slide the L/R Trimmer button to the left to re-balance the drone.

(When you hear a long beep from the transmitter, it indicates that it has been adjusted to the limit.)

## 11.4 360° Flip

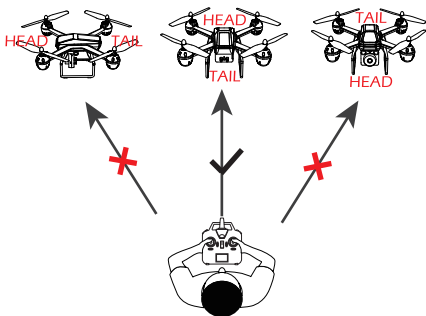


When you get familiar with all the functions of the drone, you can try this amazing flip mode. When you fly the drone at least 10 feet, press the 360° Flip button on the upper right of the transmitter, then push the right joystick Forward/ Backward or Left/ Right, and the drone will do a flip towards the corresponding direction.

If you are in MODE 1, push the right joystick Left/ Right or push the left joystick Forward/ Backward, and the drone will do a flip towards the corresponding direction.

## 11.5 Headless Mode

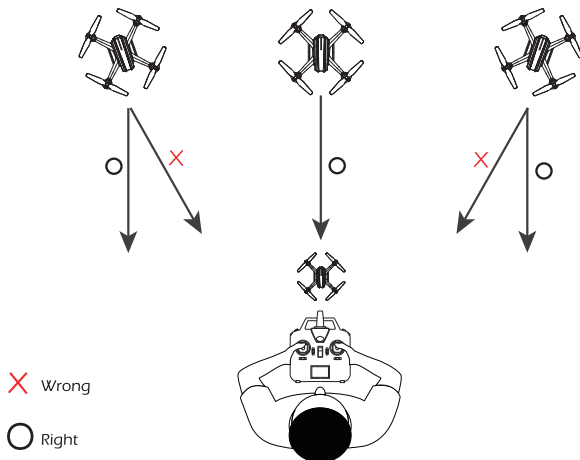
1. After pairing/ calibration, or during the flight of the drone, long press the Headless Mode button to enter Headless Mode. The indicator lights on the drone start to flash continuously.
2. Long press the Headless Mode button again, and you will hear three beeps, the indicator lights on the drone will be solid which indicates the drone exits the Headless Mode.



**Please make sure the pilot to stay in the same orientation as the drone head faces when the drone takes off.**

Under Headless Mode, the forward direction is the direction that the head of drone faces when the drone takes off. In order to make sure the pilot can tell drone's direction, we recommend that pilots to stay in the same orientation as the drone's head faces when the drone takes off. When the pilot pushes the direction joystick forward, the drone will fly forward. If the pilot pushes the direction joystick backward, the drone will fly towards him/her. If the pilot move the right stick left/right, the drone will move left/right relative to you.

## 11.6 One Key Return



Please make sure the pilot to stay in the same orientation as the drone head faces when the drone takes off.

When the drone is in Headless Mode, short press the Headless Mode button once, the drone will enter the One Key Return Mode. Return at the direction of which the drone tail faced when it was taken off.

If you push the direction joystick or short press the Headless Mode button again during the return, the drone will exit the One Key Return Mode.

 **The drone has NO obstacle avoidance function.**

## 12.0 SPECIFICATIONS

- **DRONE**

Model: HS140

Weight: 160g/ 5.64 oz

Flight Time: 17 minutes (per battery)

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

Dimensions: 310 × 310 × 110 mm

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- **DRONE BATTERY**

Capacity: 1300mAh

Voltage: 3.7 V

Battery Type: Li-Po Battery

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

Charging Time: 120 minutes (depends on charging power and remaining battery power)

- **TRANSMITTER**

Operating Frequency: 2.4 GHz

Transmission Distance: 328 feet/ 100m (outdoors and unobstructed)

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

Battery: 1.5V AA Battery × 4

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- **CAMERA**

Camera frequency: 2.4 GHz

Photo Resolution: HD 1920 × 1080P (stored on the phone)

Video Resolution: HD 1280 × 720P (stored on the phone)

Image Return Distance: 328feet/ 100m (outdoors and unobstructed)

Transmission Frame Rate: 20 fps

Photo: JPEG

Video: AVI / MP4

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

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- **USB CHARGING CABLE**

Voltage: 5 V

Rated Power: ≤10 W



## 13.0 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)  
[jp@holystone.com](mailto:jp@holystone.com) (Japan)

☎ +1(855) 888-6699

## 14.0 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 exempts 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): 8dBm (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 : HS140/HOLYSTONE

The Statement of compliance is available at the following address:  
[http://www.holystone.com/Download/CE/HS140\\_EU\\_DOC.pdf](http://www.holystone.com/Download/CE/HS140_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**

