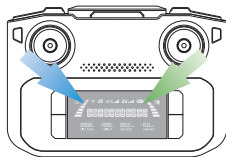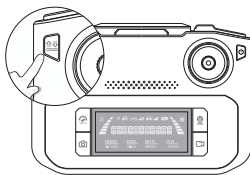# FLIGHT

Unlocking the Motors

As depicted above, push both of the joysticks simultaneously toward the inner, lower corners. The motors start to spin, the drone is unlocked.

💡 Locking: If no command is given, the motors will lock themselves automatically 20s after the they are unlocked. You can also push both of the joysticks to the inner corners to manually lock them.

Takeoff/Landing

① Takeoff: Short press the (⇧⇩) button, the drone slowly takes off. You can control the drone with the joysticks now.

② Landing: When the drone is in the air, short press the (⇧⇩) button. The drone slowly descends to the ground.

FLIGHT

💡
In places with weak GPS reception (indoors for instance), the status LED of the drone will keep flashing blue slowly. If you want it to take off, you can hold the (🔄) on the transmitter for 2 seconds to exit the GPS mode. The status LED of the drone turns solid blue, the LCD screen displays "ATTI MODE," the drone goes into attitude mode: it can take off, but all the GPS-related functions are unavailable now.
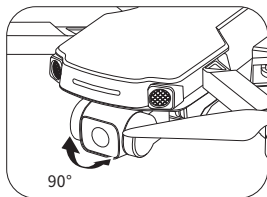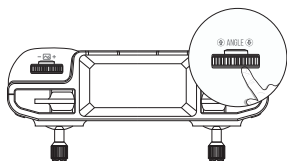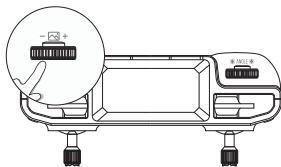
Camera Adjustment

Adjust the camera angle by scrolling the camera adjustment dial (ⓐ ANGLE ⓑ)
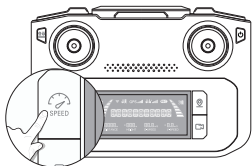(tilt range: -90˚~ 0˚)

Zoom

To zoom in, scroll the zoom dial (– 🖾 +) to the right. The LCD screen displays
"ZOOM IN."
To zoom out, scroll the zoom dial (– 🖾 +) to the left. The LCD screen displays
"ZOOM OUT."

FLIGHT FUNCTIONS

Speed Switch

Short press the (⏱) button once to switch speed.

Low: The transmitter beeps once. The LCD screen displays "CAMERA MODE" (◢).

Middle: The transmitter beeps twice. The LCD screen displays "NORMAL MODE" (◢).

High: The transmitter beeps 3 times. The LCD screen displays "SPORT MODE." (◢).

(The normal mode is the default setting.)

Emergency Stop
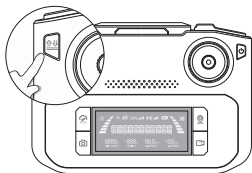
Hold the (�️) button for 2 seconds to use Emergency Stop. This function only works when the drone's altitude is lower than 16ft.

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

Photo/Video
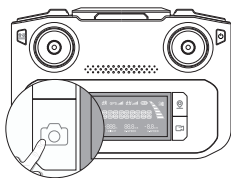
Short press the (📷) button on the transmitter. The (**REC**) on the LCD screen flashes once, which means that you have successfully taken a photo.
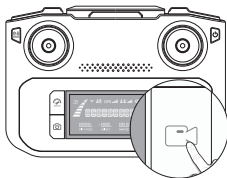
Short press the (📹) button on the transmitter. The (**REC**) on the LCD screen starts to blink, which means the camera is recording. Short press the button again will stop video recording.

💡
During the recording, the "Take Photo" function is disabled.

GPS Return-to-Home

The GPS Return-to-Home (RTH) function brings the drone back to the Home Point. As the name indicated, this function can only be triggered when the drone is in GPS mode. There are 3 types of RTH: Smart RTH, Failsafe RTH and Low Voltage RTH.

Smart RTH

Short press the (⊙) button to activate Smart RTH. The drone will fly back to the last recorded Home Point.

During Smart RTH, the transmitter will keep on beeping. Short press the (⊙) button again to exit Smart RTH.

Failsafe RTH

If the transmitter loses the connection with the drone, the Failsafe RTH will be automatically triggered. The drone will fly back to the last recorded Home Point.

During Failsafe RTH, the drone will try to re-establish connection with the transmitter. Once the connection is re-established, the pilot can manually end the RTH procedure by pressing the (⊙) button again, thus regaining control of the drone.

Low Voltage RTH

The First Stage: During the first stage of Low Voltage RTH, the transmitter will keep producing triple beeps, and the LCD screen will display "GOING HOME." The drone then generates a "safe zone" (flight distance ≤ 98 ft, flight height ≤ 66 ft). The drone can only fly within the safe zone during this stage.

FLIGHT FUNCTIONS

There are 3 possible RTH procedures during this stage.

* RA: the Return Altitude set in the app setting.
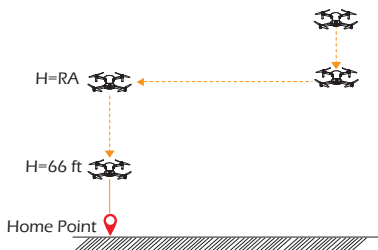
a. Flight Altitude > RA

a. When the flight altitude of the drone is higher than RA, the drone will descend to RA and fly back over the Home Point. It will then descend to 66 ft and hover there. The RTH ends.
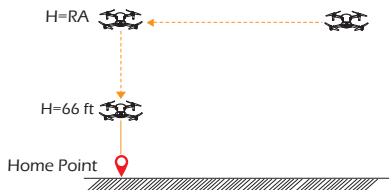
b. Flight Altitude = RA

b. When the flight altitude is equal to RA, the drone will keep its current altitude and fly back over the Home Point. It will then descend to 66 ft and hover there. The RTH ends.

c. Flight Altitude < RA
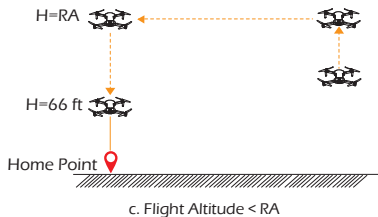
c. When the flight altitude is lower than RA, the drone will first ascend to RA and fly back over the Home Point. It will then descend to 66 ft and hover there. The RTH ends.

The Second Stage: The transmitter keeps on producing long beeps, the LCD screen displays "GOING HOME," the battery level bar on the screen keeps flashing. The drone will automatically fly back to the Home Point and land.

⚠️

The drone is NOT equipped with obstacle avoidance.

During your flight, DO NOT turn the transmitter off. Otherwise the Failsafe RTH will be automatically triggered due to the connection break.

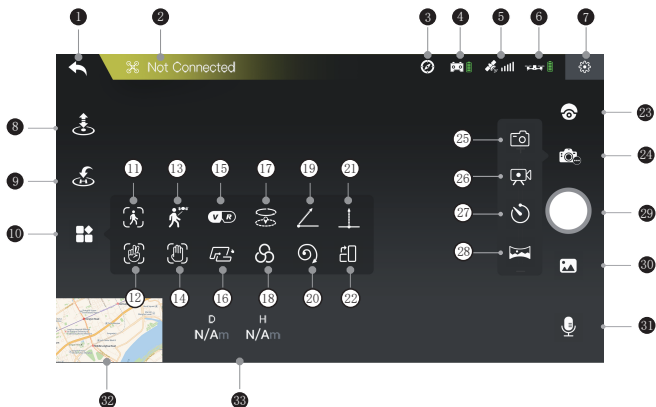## Operation Interface

1. Homepage ( ): Tap this icon to return to the main menu.

2. System Status (Not Connected): Displays the flight status and various warning messages.

3. Interference Index of Compass ( ): Displays the current level of electromagnetic interference. "0" means no interference, "1000" means max. interference.

4. Transmitter Battery Level ( ): Real-time display of the current battery level of the transmitter.

5. GPS Signal ( ): Displays current GPS signal strength.

6. Drone Battery Level ( ): Real-time display of the current battery level of the drone.

7. Settings ( ): Tap to enter the setting interface. Alter settings for flight height/distance, return altitude, etc.

8. One-key Takeoff/Landing (🛬): Tap the icon, follow the instructions in the prompt box to take off/land.

9. Return to Home (🏠): The drone returns to the last recorded Home Point.

10. Multi-functions (📋)

11. Image Follow (🐱): After selecting a target, the camera will always point towards it no matter how the target moves. The position of the drone in the air remains unchanged. (The target should not move too fast.)

12. Gesture Selfie (👆): When in this mode, you can trigger the shutter of the drone camera by holding a "V"-sign near your face. (The drone camera should be pointing to your face.

13. GPS Follow (🏃): The drone stays at a distance from the operator and follows the GPS position of the paired mobile phone **(See page 34)**.

14. Gesture Selfie video (🖐): When in this mode, you can trigger the shutter of the drone camera by holding your palm near your face. (The drone camera should be pointing to your face.

15. VR Screen-Split (🥽): Pair the mobile phone with a pair of VR glasses (not included) first. Then use this function to watch 3D live feed in real-time.

16. TapFly (📲): The drone flies along the flight path you draw on the screen of the mobile phone **(See page 35)**.

17. Point of Interest (🔄): The drone flies around a point **(See page 36)**.

18. Camera Filter(🎨)

19. Catapult (◣): The drone flies backward and ascends, with the camera locked on the subject. A video is made during this **(See page 36)**.

20. Spiral Up (🔄): The drone ascends and spiral around the subject. A video is made during this **(See page 37)**.

21. One-key Ascension (🔝): The drone ascends with the camera locked on the subject. A video is made during this **(See page 37)**.

22. Portrait (🔲): The shooting mode will turn from landscape to portrait.

23. Adjustment (🔘): You can zoom in/out and adjust the camera angle here.

24. Shooting Mode (📷)

25. Take Photo (📷): Tap to take a photo **(See page 38)**.

26. Record Video (📹): Tap to use recording videos **(See page 38)**.

27. Time-lapse (🕐): Tap to use time-lapse shooting **(See page 38)**.

28. Panorama (📷): Tap to use the Panorama function **(See page 38)**.

29. Shutter (⭕)

30. Album (🖼): Tap to preview photos and videos taken by the drone camera.

31. Voice Recording (🎤): Record sounds and voices with your mobile phone while shooting videos.

32. Map (🗺) : Tap the Mini Map to switch between Camera View and Map View.

33. Flight Parameters:
Distance (📍): Horizontal distance from the Home Point.
Height (📍): Vertical distance from the Home Point.

Beginner Mode

The beginner mode is the default operating mode. When in this mode:

1. The flight distance can not exceed 98 ft;
2. The flight altitude can not exceed 98 ft;
3. The return altitude during RTH is 66 ft.

Flight Settings
On APP
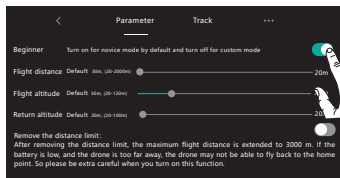
If you want to alter the above-mentioned parameters, please first turn off the beginner mode. You can go to the "Settings" page to modify these parameters.

Remove the distance limit:
After removing the distance limit, the maximum flight distance is extended to 3000 m. If the battery is low, and the drone is too far away, the drone may not be able to fly back to the home point. So please be extra careful when you turn on this function.

If you want to get a longer flight distance, you can activate the "Remove Distance Limit" function in the "Settings" and boost the max flight distance up to 9842 ft.

⚠️

Please be cautious when removing the distance limit. If the battery of the drone is low, the drone may not be able to fly back to the Home Point!
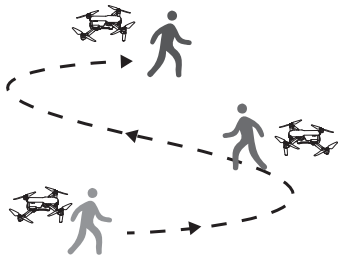
Follow Me

When the Follow Me function is enabled, the drone will track your movement by following the GPS signal on your mobile phone. (Please make sure that the connection between the drone and the transmitter is strong and stable.)

1. Ensure the drone's flight distance is within 164 ft.

2. Tap the (▦) icon first, then select the (🏃) icon, and follow the prompt box to enter the Follow Me function — the drone will now follow your mobile phone's coordinates.

3. To exit Follow Me Mode, simply tap the (🏃) icon on the app interface again.

· The Follow Me function can only be used if the flight distance is within 164 ft.

· Follow Me function may be difficult to activate if the mobile phone's GPS signal is too weak. This could be caused by signal interference from surrounding buildings, trees, mobile network congestion etc.

· Please use this function in an open area and be mindful of your surroundings. The drone is NOT equipped with obstacle avoidance.

TapFly

Note: When using the TapFly, it is recommended to enlarge the map before drawing the flight path.

1. Tap on the (⊞) icon, then choose (⊡).

2. You can tap a dozen of times (but no more than 16) on the phone screen to create a flight path. Hit "GO" to submit the route. The drone will then fly along the path created by connecting the points you tap in order.

3. You can exit TapFly by tapping the (⊡) icon again, or simply pushing the right joystick in any direction.

⚠

· DO NOT fly the drone towards people, animals, or small/thin objects (e.g. tree branches and power lines) or transparent objects (e.g. glass or water).

· The actual flight path and the path you draw may not align perfectly.
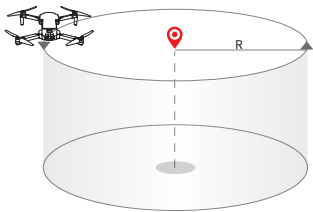
Point of Interest

1. Tap the (▦) icon first, then select the (☲) icon, and follow the prompt box to activate the Point of Interest function.

2. The moment you activate this function, the drone will record its current flight position as the "point of interest". It will then continuously circle around that point counterclockwise. You can set the circling radius in the prompt box.

3. To exit Point of Interest mode, simply tap the (☲) icon again.

Catapult

1. Make sure that the drone is a least 7 ft away from the target. Adjust the camera angle so it points directly to the target.

2. Tap the (▦) icon, then tap (∠). Swipe in the prompt box to confirm.

3. The drone will automatically start recording, while flying about 82ft away from the target.

4. After this, it will fly back to the starting point.

5. Tap the (∠) icon again, or push the right joystick to exit this function.

Spiral Up

1. Make sure that the drone is about 7~16ft away from the target. Adjust the camera angle so it points directly to the target.

2. Tap the (⊞) icon, then tap (◎). Swipe in the prompt box to confirm.

3. The drone will automatically ascend and circle around (max. radius: about 49 ft) and start recording.

4. After this, the drone will fly back to the starting point.

5. Tap the (◎) icon again, or push the right joystick to exit this function.

One-key Ascension

1. Please make sure that the drone is a least 7ft away from the target. Adjust the camera angle so it points directly to the target.

2. Tap the (⊞) icon, then tap (⬆). Swipe in the prompt box to confirm.

3. The drone will automatically start recording and ascend to 49 ft.

4. After this, the drone will fly back to the starting point.

5. Tap the (⬆) icon again, or push the right joystick to exit this function.

💡

When using Catapult, One-Key Ascension and Spiral Up, make sure there is no obstacles or people in the flight path of the drone. In case of emergency, push the right joystick to exit the function.

Shooting Mode

Take Photo

1. Tap the (📷) icon, then choose (📷) to use the photo function.
2. Take photo by tapping the shutter button.

Record Video

1. Tap the (📷) icon, then tap (📹) to use video function.
2. Tap the shutter, the video shooting begins.
3. Tap the shutter again to stop recording.

Time-lapse

1. Tap the (📷) icon, then tap (🕐) to use time-lapse shooting.
2. Swipe to choose the video playback speed, tap again to confirm.
3. Tap the shutter, the time-lapse shooting begins.
4. Tap the shutter again to stop recording.

Panorama

1. Tap the (📷) icon, then choose (🖼) to use the panorama function.
2. Tap the shutter.
3. The drone will maintain its current position and rotate 360°. A panorama picture is then auto-generated and saved to the album. A prompt box will pop up when this is done.

💡

Please only use this function in breezy (or windless) and well-lit conditions. On cloudy days or at night, there is a chance that the shooting may fail.

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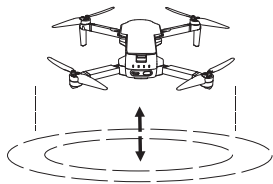
The drone is designed with an altitude-hold function to maintain its altitude after releasing the left joystick. (The left joystick will automatically spring back to the middle)

Optical Flow Positioning

Optical Flow Module
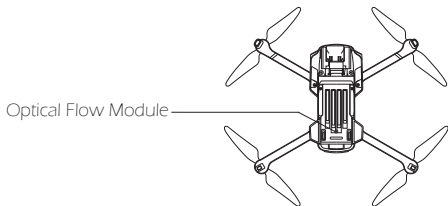
The Optical Flow Positioning System consists of a camera module, which acquires the position information of the drone through visual images to ensure precise positioning of the drone.

STABILIZATION FUNCTION
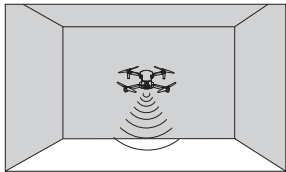
The Optical Flow Positioning System is typically used in an indoor environment when the GPS signal is weak or unavailable. It works best when the drone altitude is less than 10 ft.

⚠️

・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 to the altitude-hold function automatically. Please be cautious to operate the drone in the following situation:

1. Fly fast at an altitude below 2 ft.

2. Fly over monochrome surfaces (e.g, pure black, pure red and pure green).

3. Fly over highly light reflective surfaces.

4. Fly over water or transparent surfaces.

5. Fly over moving surfaces or objects.

6. Fly in an area where the lighting changes dramatically and frequently.

7. Fly over extremely dark (<10 lux) or bright (> 10,000 lux) surfaces.

8. Fly over surfaces without clear patterns or textures.

9. Fly over surfaces with highly repeating textures (small grid brick in the same color).

・Flying speed should be controlled not to be too fast. When the drone is 3 ft from the ground, the flying speed should not be over 16 ft/s. When the drone is 7 ft from the ground, the flying speed should not be over 33 ft/s.

STABILIZATION FUNCTION

・Keep sensors clean at all times.

・The Optical Flow Positioning is only effective when the drone is within the altitude range of 10 ft.

・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.

・The Optical Flow Positioning may not function properly when the drone is flying over water, low light ground and surfaces without clear patterns or textures.

STORAGE

1. If no TF card is inserted, the photos and videos will be saved to the APP album and the gallery of your cellphone.

2. If a TF card is inserted, the photos and videos will be saved to the APP album and the TF card.

3. If you want to view the photos and videos through the app, please make sure that the drone, the transmitter and the cellphone are properly connected.

SPECIFICATIONS

DRONE

Model: HS360S

Weight: 249 g/8.78 oz

Max Flight Time: 20 minutes (per battery)

Operating Temperature Range: 14° to 104°F

Size: 141*94*56 mm (folded)

     297*215*56 mm (unfolded)

DRONE BATTERY

Capacity: 1500mAh

Voltage: 7.4V

Battery Type: Lithium-ion Polymer Battery

Rated Power: 11.1 Wh

Charging Temperature Range: 41° to 104°F

Charging Time: about 3 hours

TRANSMITTER

Operating Frequency: 5500-5700MHz

Charging Time: about 2 hours

Usage Time: about 2 hours

Max Flight Distance: 6562 ft (outdoor and unobstructed)

Battery Type: 3.7V 1500mAh

Operating Temperature Range: 14° to 104°F

SPECIFICATIONS

CAMERA

Operating Frequency: 5500-5700MHz

Max Photo Resolution: 3840×2160P (in TF card)

3840×2160P (in mobile phone)

Max Video Resolution: 3840×2160P@20fps (in TF card)

1280×720P@20fps (in mobile phone)

Lens Angle: FOV 85°

Max Transmission Distance: 6562 ft (outdoor and unobstructed)

Photo Formats: JPEG

Video Formats: AVI/MP4

Supported TF Cards: Supports TF Card (Class10 above) with storage

up to 128 GB (not included)

File Systems: FAT32

USB CHARGING CABLE

Input: 5V/2A

Rated Power: ≤10 W

CONTACT US

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

🕐 4:00 PM ~ 7:00 AM (PST)

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

☎ +1(855) 888-6699

💬

For online support, please scan
this code with Live Chat

GENERAL 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/HS360S_FCC_sDoC.pdf

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.

GENERAL INFORMATION

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.

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmier must not be co-located or operating in conjunction with any other antenna or transmier.
 The portable device is designed to meet the requirements for exposure to radio waves established by the FCC/ISED. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue.

IC Notice:
This device is restricted to indoor use when operating in the 5150 to 5250 MHz frequency range.

This device complies with Industry Canada license-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 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 tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN NMB-003 (B)
RF Exposure
Radiation Exposure Statement:
The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

Le présent appareil est conforme
Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et compliance d'acquérir les informations correspondantes. La distance minimale du corps à utiliser le dispositif est de 20cm.

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.

GENERAL INFORMATION

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, discoloration, deformation or leakage.

4. Never use anything other than the approval Li-Po charger to the battery. Always use a balancing charger for Li-Po cells or a Li-Po 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.

GENERAL INFORMATION

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. This toy should only be connected to the equipment with symbol Class II. ▣

EU RF Power (EIRP): <16 dBm (2452MHz ~ 2474MHz)

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: HS360S/HOLYSTONE

GENERAL INFORMATION

The Statement of compliance is available at the following address:
http://www.holystone.com/Download/CE/HS360S_EU_DOC.pdf
This product can be used across 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(855) 888-6699

MADE IN CHINA(CN)