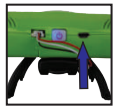
CHARGING THE LITHIUM BATTERY:

1. Balanced charging: Switch off the power of the transmitter, please insert the USB port of the charger into the USB port of the computer, and then connect another end of the charger with the charging port of the drone.(see the picture below) When charging, the indicator of the drone is shown as red light. When it is fully charged, the indicator will be OFF and the charging process is finished.
2. You can use the mobile charger or car-loaded power to charge it.
3. It takes around 100 minutes to fully charge the battery. The flight time for a fully charged battery is around 8 minutes.



CAUTIONS FOR CHARGING

1. When charging,please put this product on a dried or ventilated area and keep it far away from heat source or explosive product.
2. After flying,please do not charge the battery if it is still hot.
3. If the battery has been used for a long time, please replace them.
4. Please make sure that you use the original USB charger cable provided. When the battery has been used for a long time,or appears to be swollen,please replace them.
5. If a battery is not used for a long time, it would lose the power by itself. Charging or discharging too often may reduce the lifetime of the battery.

PREPARATION BEFORE TAKE OFF:

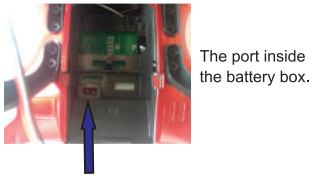
1. Fly the quadcopter in a spacious indoors area, or an outdoors area free of obstacles, rain, snow, animals, and people. When flying outdoors, make sure there isn't too much wind.
2. Make sure all propellers are installed in the right orientation, otherwise, the drone would not be able to take off from the ground.
3. Make sure the remote control is assembled with brand new or fully charged AA batteries.
4. Make sure the lithium battery in the drone is also fully charged.

TAKING OFF:

1. Turn on the remote control (short press the power button). It will beep once and the "STATUS" light will flash. (pic1)

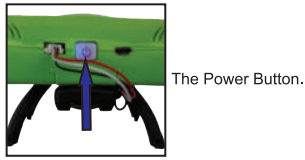
(Pic.1)

2. Check the lithium battery(3.7V 650mAh), make sure it is inserted into the port inside the battery box of the drone(Pic.2).



(Pic.2)

3. Place the drone on a flat, level surface, then press down the power button of the drone to turn on the power(Pic.3). The lights on the drone begin blinking.

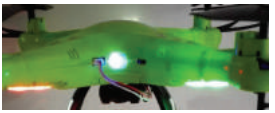


(Pic.3)

4. Quickly shift the throttle stick (left stick) up and down. If done correctly, the transmitter sound will beep(Pic.4), and the LED lights “STATUS”, “SPEED2”, “SPEED1”, “ROLL”, “NORMAL” on the remote control will turn on(Pic.5). And the LED lights on the drone keep flahsing slowly(Pic.6).

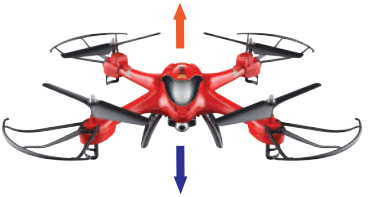
(Pic.4)

(Pic.5)



(Pic.6)

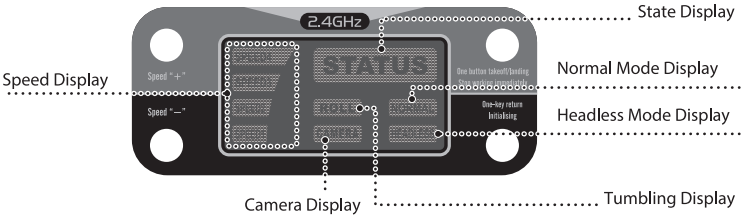
5. The drone is now connected to the remote control and ready to take off. Press down the A Key Take Off button, and the drone would take off automatically(Pic.7).



(Pic.7)

Tips:
Once the drone takes off, you could use the throttle stick and forward/backward stick to control the flight.
To avoid injuries or accidents, we suggest that the beginners read through the Instruction Manual before using the A KeyTake Off function.
If the pilot would like to stop the flight after taking off, simply press down the A Key Take Off/Landing button again, the drone would land back on the ground automatically, until the propellers stop rotating.

LED LIGHTS DISPLAY

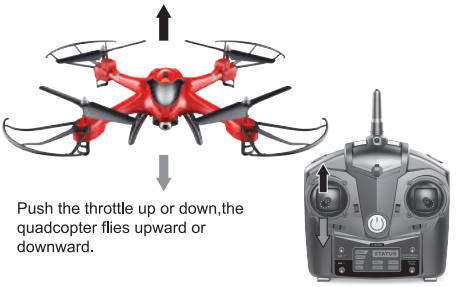


ALTITUDE HOLD MODE:

- The model is designed with Altitude Hold Mode by default. The drone will be kept at the same altitude in hovering.
- Throttle up the left stick, the drone will be ascending.
- Move the left throttle stick downward, the drone will be descending.
- When the throttle stick returns back to the neutral position, the drone will be kept at the same height.

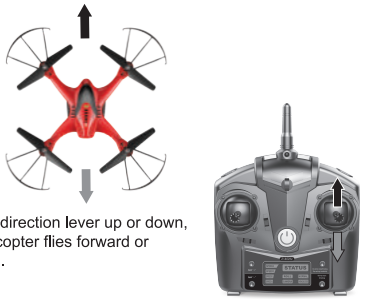
Operations

Hover up and down



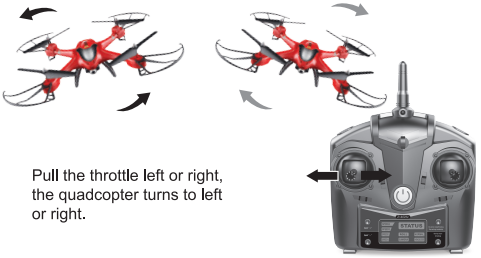
Push the throttle up or down,the quadcopter flies upward or downward.

Forward and backward



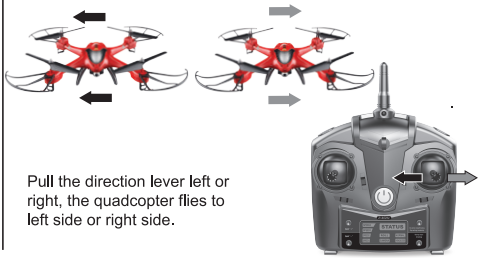
Push the direction lever up or down, the quadcopter flies forward or backward.

Turn left and right



Pull the throttle left or right, the quadcopter turns to left or right.

Sideward fly



Pull the direction lever left or right, the quadcopter flies to left side or right side.

Sideward fly fine-tuning

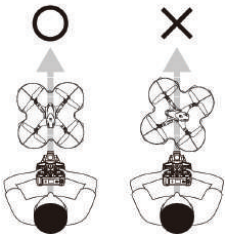
When the quadcopter keeps drifting to left/right side,you can correct it by sliding the left/right fine tuning button.

Forward and backward fly fine-tuning

When the quadcopter keeps drifting forward/back, correct it by sliding the forward/back trimmer button.

HEADLESS MODE:

1. Place the drone in front of the pilot, before the pilot pairs the drone, make sure that the head of the drone face forward, and the tail face towards the pilot(Pic.8). After the drone takes off, press down the Headless Mode button on the remote control to enter into the Headless Mode, the LED light of “NORMAL” turns off, and the light of “HEADLESS” turns on(Pic.9).
2. In Headless Mode, the head of the drone not necessarily points to the forward direction, any side of the drone could point forwad by moving the throttle stick and forward/backward/left/right stick.



(Pic.8)

(Pic.9)

3. Pressd down the Headless Mode button again to exit the Headless mode, and the LED light of "HEADLESS" turns off on the remote control, the light of "NORMAL" turns on.

Tips: (Important!)

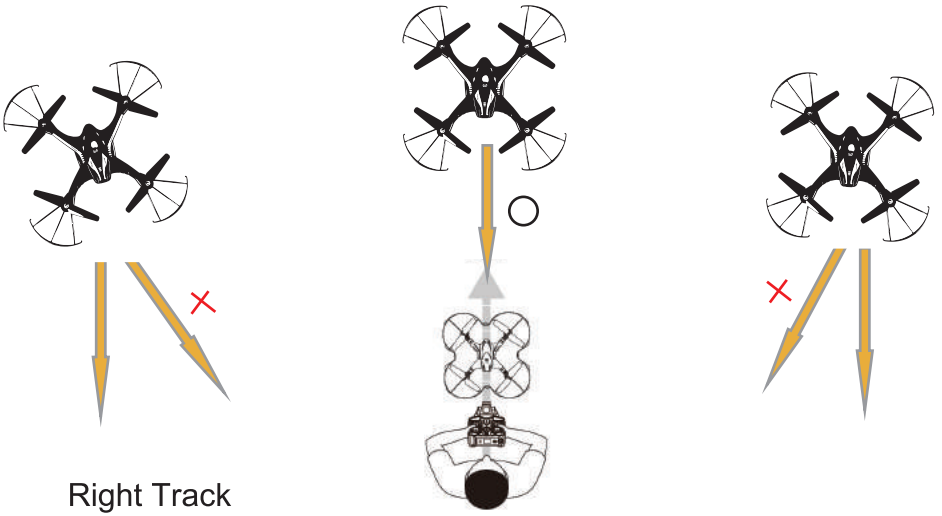
1. Make sure that the head of the quad face forward, and the tail face towards the pilot when being paired.
2. When flying in headless mode/One Key Return, the flyer should not move around. This is because the quadcopter will fly relative to the point where it is bound (to the remote), not relative to where the remote is.
3. That said, we suggest pilots to stay stationary and face the same direction in which he set the head of the quadcopter to face when binding the remote.

ONE KEY RETURN:

The model is designed with One Key Return function. The function makes the drone drives itself back to the pilot automatically by simply pressing down the One Key Return button.

- In Normal Mode(The LED light"NORMAL" turns on):

Press down the One Key Return button, the drone would fly back to the direction where the tail of the drone points to when the drone is being paired(Pic.10).



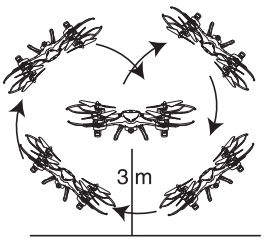
(Pic.10)

- In Headless Mode(The LED light "HEADLESS" turns on):

Press down the One Key Return button, the drone would fly back to the direction where the tail of the drone points to when the drone enters into the Headless Mode.

3D TUMBLING FUNCTION:

When you are familiar with all the basic actions, you can play some more amazing tumbling actions. When you fly the Quad-rotor to 3 meters above, please keep pressing the key (i.e. Tumbling Key) at the right up corner while pushing the Right Control Lever to Forward Backward/ Left/ Right until it reaches the highest position. This time the Quad-rotor can realize the Forward/Backward/Left/Right Tumbling Function. Under the Headless mode, it can not make tumbling action.



Caution: When the battery is fully charged, it will make the best tumbling performance.

ASSEMBLE THE CAMERA

The camera is installed onto the drone out from the box. Check if the wires of the camera are well connected with the drone.

Tips:

If the pilot uses the remote control to take photos/videos, please connect WIFI first.

(1) Short press down the button on the top left of the remote control to take photo(Pic.11)

(2) Long press down the button on the top left of the remote control to take video, short press down the button again to end the recording. When the drone is taking a video, the remote control sounds constant beeps, until the recording is ended.

(3) All the images and videos would be reserved in the micro SD card which is inserted into the camera.

Please connect the phone to the camera WIFI signal "HolyStoneFPV*" and enter into the "Deerc FPV" APP before you use the camera function on the remote control.**

(Pic.11)

ASSEMBLE THE PHONE HOLDER

A phone holder is included in the box for the FPV function, the assembling is shown as below.

1. Insert the phone holder stick into the hole at the middle top of the remote control(Pic.12).
2. Rotate the phone holder to bite the plastic tag on the remote control(Pic.13, Pic.14).
3. Fix the phone holder on the remote control by clockwise locking the black plastic screw(Pic.14)

(Pic.12)

(Pic.13)

(Pic.14)

DOWNLOAD THE APP

The model is equipped with FPV real time camera function as well as gravity sensor control function, please download the correct App to use the functions.

QR code of "Deerc FPV" App for Apple IOS system (Please scan this QR code to download the App).

QR code of "Deerc FPV" App for Android system (Please scan this QR code to download the App).

Note: For IOS System smart phone, another option is to enter your App Store and search by "Deerc FPV". And as for Android System, users could go to our website to download the App: *www.holystone.com*