

# H122D X4 STORM

《H122D Quick Start Guide》

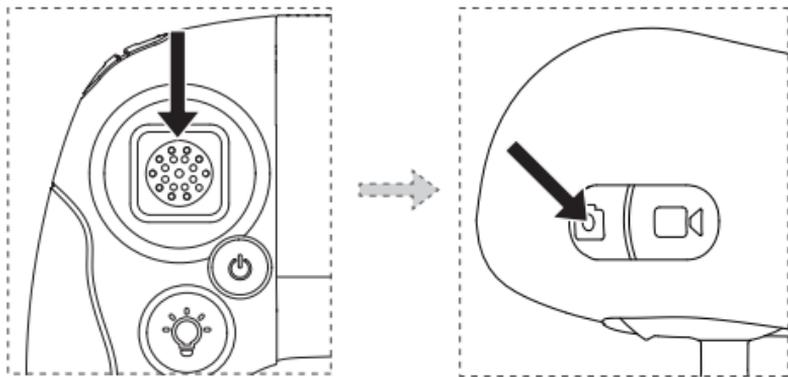
Version 1.0

# The first flight configuration: Aircraft + HT015 Transmitter

## Step 1

### Binding the aircraft and transmitter

1. Pull and hold the throttle to its lowest position.
2. Hold down the Photo key and power the transmitter on. The transmitter's status LED will flash red; please do not press or touch any other keys, buttons or sticks while this process is ongoing. Users may let go of the Photo key and throttle. Connect the aircraft to its battery and allow it to bind to the transmitter. The two must be very close to each other; when the bind is successful, the binding status LED will turn green.



All illustrations are shown in Mode 2 (American hand)

## Step 2

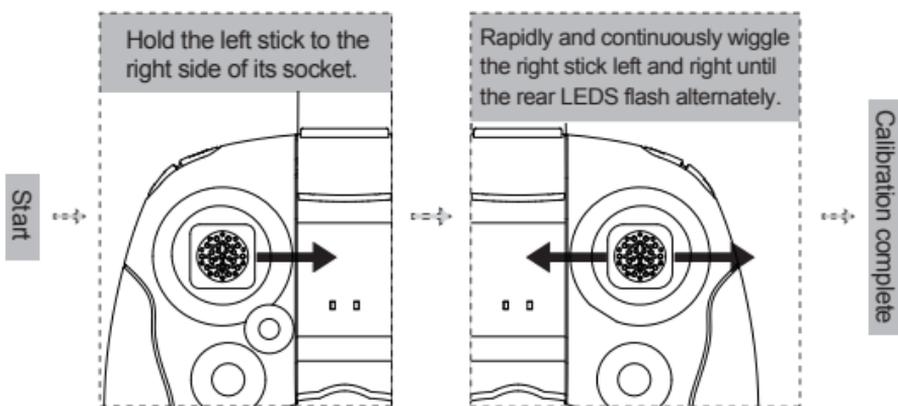
### Horizontal calibration (also known as Gyro calibration)

Horizontal calibration is required when the aircraft drifts on the horizontal

plane during flight. When this happens, land the aircraft and disarm its motors. Follow the below steps to do a horizontal/gyro calibration.

1) Place the aircraft on a completely flat surface and then follow the below calibration procedure. Hold the left stick to the right side of its socket. Rapidly and continuously wiggle the right stick left and right until the rear LEDS flash alternately.

2) Calibration is complete when the LED indicators stop flashing. It is recommended that users wait for 15-20 seconds after the calibration is completed before flying again.

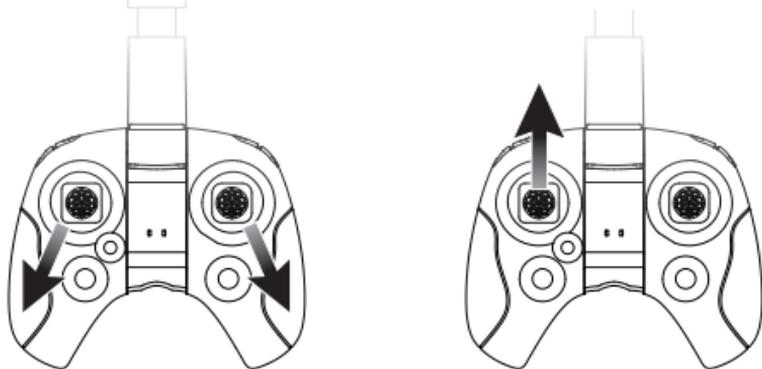


When using the horizontal calibration, please ensure that the aircraft is on a completely flat surface. Aircraft motors should be completely disarmed. Do not move the aircraft during calibration or calibrate on an uneven/tilted surface, or there will be errors.

## Step 3

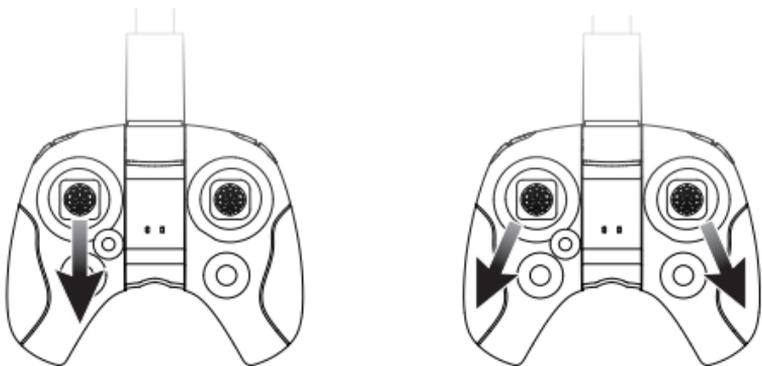
### Takeoff

Simultaneously pull the transmitter joysticks diagonally down-out to arm the motors (as shown in the left figure). Pull the left joystick (throttle) upwards to take off.



### Landing

Slowly and gently pull the throttle joystick down until the copter has completed its descent on the ground. Simultaneously pull the transmitter joysticks diagonally down-out to disarm the motors (as shown in the left figure).

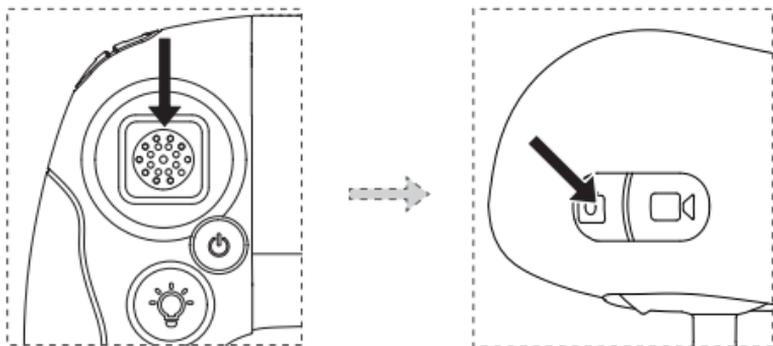


## The second flight configuration: Aircraft + HS001+ HT015 Transmitter+HV002 Video glasses

### Step 1

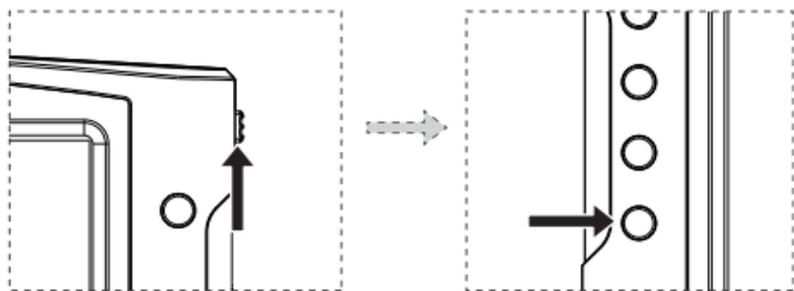
#### Binding the aircraft and transmitter

1. Pull and hold the throttle to its lowest position. Hold down the Photo key and power the transmitter on; allow the transmitter to enter binding mode.



All illustrations are shown in Mode 2 (American hand)

2. Power the HS001 on by pushing the power switch up. Long press the display's binding button (shown below) to allow the HS001 to enter binding mode. The display will beep three times.



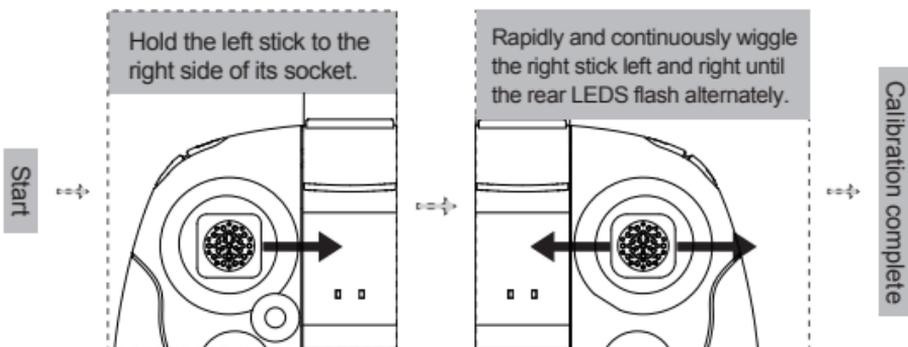
3. Connect the drone to its battery. While all units are in either binding or pairing modes, please do not touch, press or move any of the transmitter joysticks, buttons or keys. Doing so will cause the aircraft to drift or perform unstably during flight. After binding is successful, the transmitter's binding status LED will be a solid blue.

## Step 2

### Horizontal calibration (also known as Gyro calibration)

Horizontal calibration is required when the aircraft drifts on the horizontal plane during flight. When this happens, land the aircraft and disarm its motors. Follow the below steps to do a horizontal/gyro calibration.

1. Place the aircraft on a completely flat surface and then follow the below calibration procedure. Hold the left stick to the right side of its socket. Rapidly and continuously wiggle the right stick left and right until the rear red LEDs flash alternately.
2. Calibration is complete when the LED indicators stop flashing. It is recommended that users wait for 15-20 seconds after the calibration is completed before flying again.



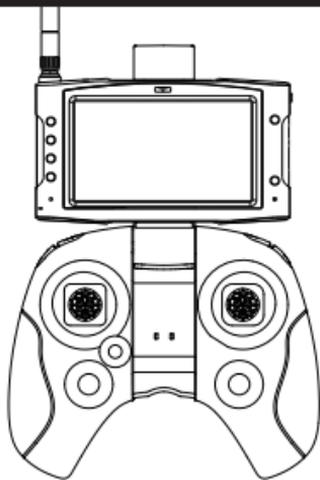


When using the horizontal calibration, please ensure that the aircraft is on a completely flat surface. Aircraft motors should be completely disarmed. Do not move the aircraft during calibration or calibrate on an uneven/tilted surface, or there will be errors.

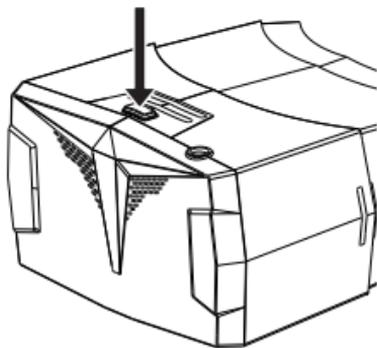
## Step 3

### Installing the HS001 display

Option 1: Secure the HS001 display to the HT015's mobile device bracket.



Option 2 (with the HV002 video goggles): Press the release key on the HV002 goggles to release its face panel. Install the HS001 into the exposed compartment and shut the panel. After the installation, one may put the goggles on and adjust to fit with the adjustable head strap.

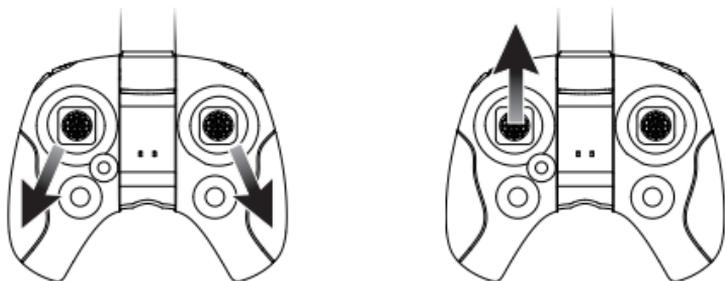


After installing the display, check if the face panel is loose. If yes, please readjust accordingly.

## Step 4

### Takeoff

Simultaneously pull the transmitter joysticks diagonally down-out to arm the motors (as shown in the left figure). Pull the left joystick (throttle) upwards to take off.



### Landing

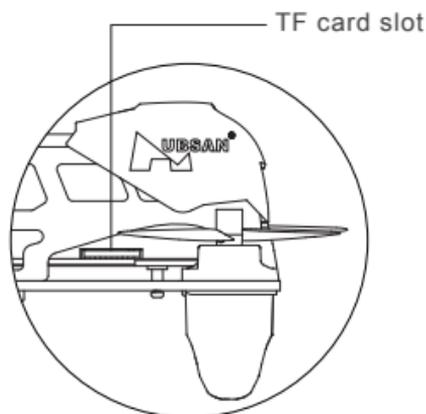
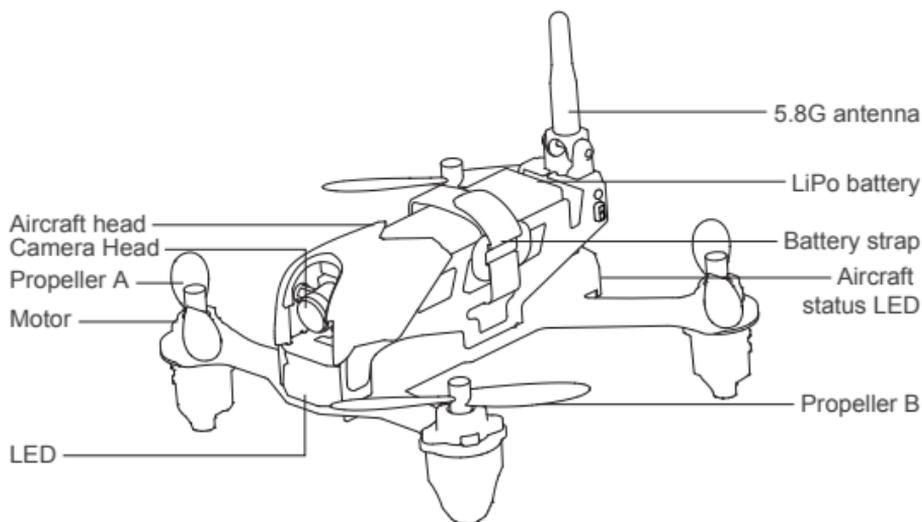
Slowly and gently pull the throttle joystick down until the copter has completed its descent on the ground. Simultaneously pull the transmitter joysticks diagonally down-out to disarm the motors (as shown in the below figure).



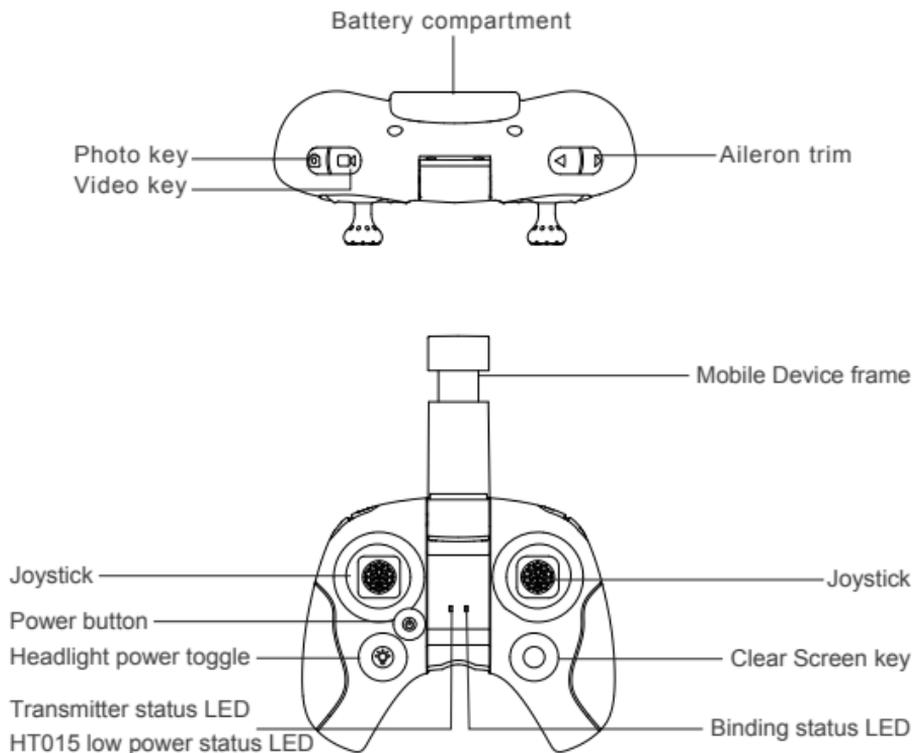
After flight, please completely shut off the aircraft, transmitter and external display.

## Getting to know your H122D

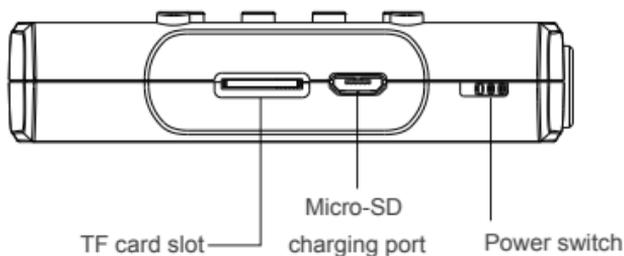
Thank you for purchasing a HUBSAN product. The H122D is an easy to fly racing aircraft, paired with a multifunctional remote control.

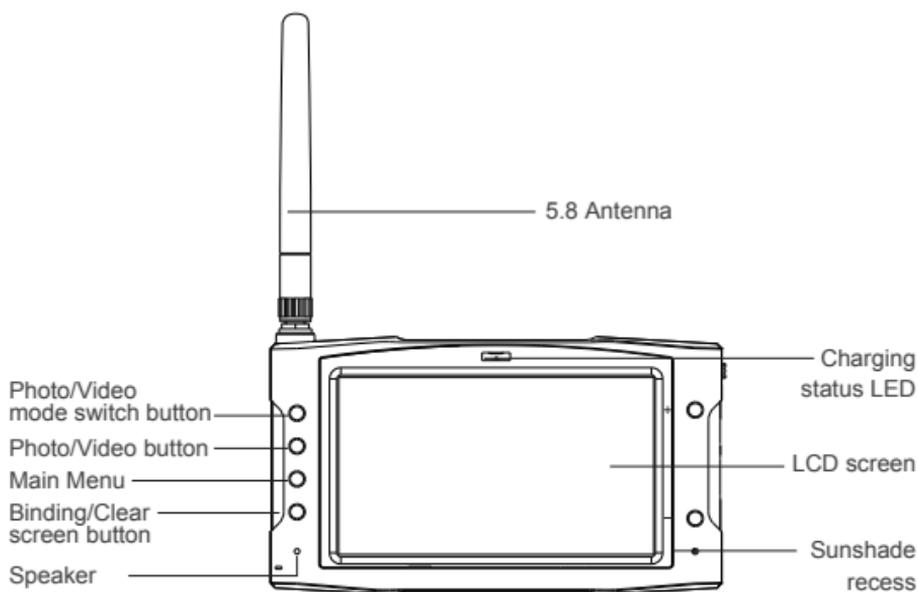


## Getting to know your HT015

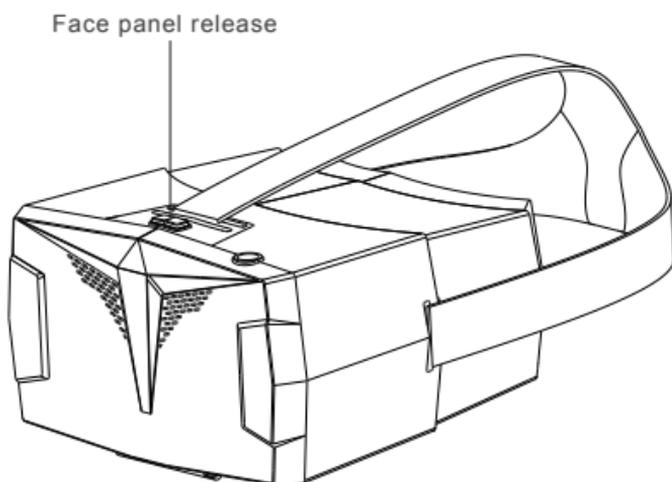


## Getting to know your HS001

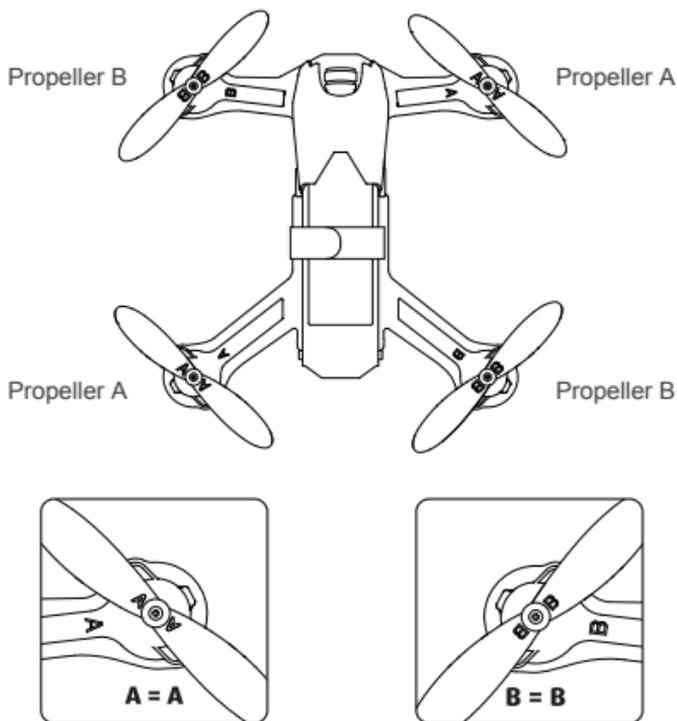




## Getting to know your HV002

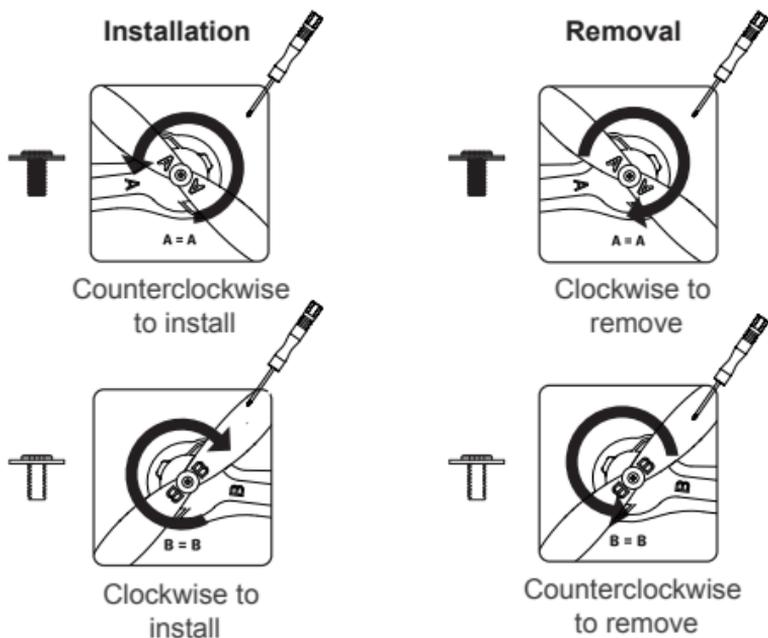
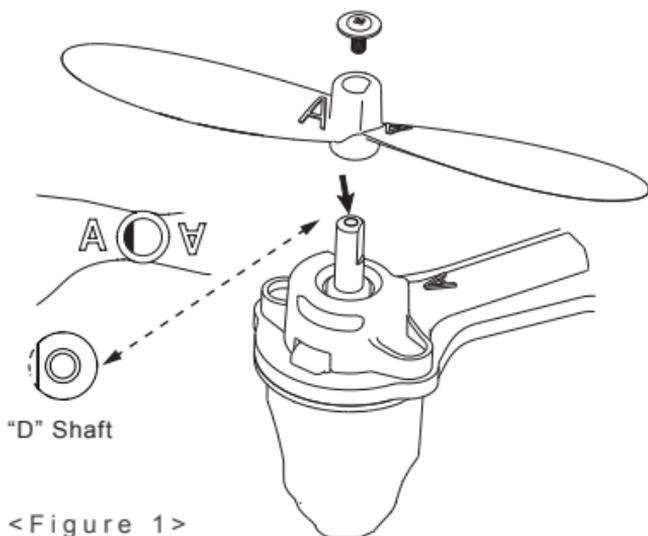


## Installing and removing propellers



**Installation:** Before installing propellers for the first time, please check that each Propeller A is matched with motor A and each Propeller B is matched with motor B. Align the "I" with the flat side of the "D" shaped motor shaft. Then use the provided screws and screwdriver to secure each propeller. Propeller A's are paired with black propeller screws and are tightened counterclockwise. Propeller B's are paired with silver propeller screws and are tightened clockwise. (as shown below)

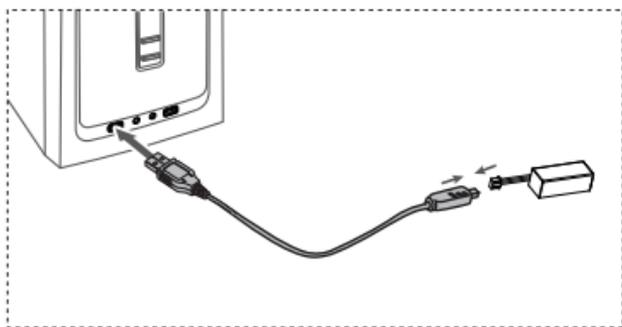
**Removal:** If propellers need to be changed, please uninstall as shown below with a screwdriver. Propeller A's are paired with motor A shafts and are untightened clockwise. Propeller B's are paired with motor B shafts and are untightened counterclockwise.



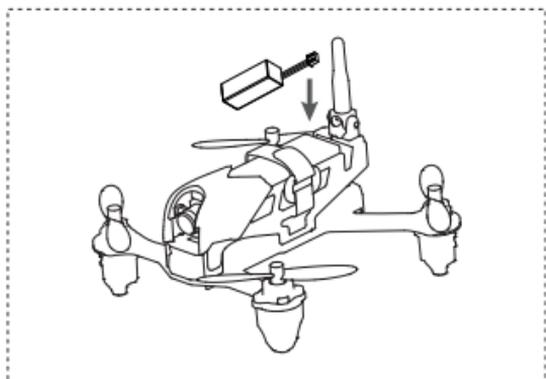
**Note:** Mind the differing colors of the A and B propeller screws!

## Charging and Installing the Aircraft battery

The H122D aircraft is paired with a rechargeable 7.6v, 710mAh Li-Po. Be sure to use the provided Hubsan dedicated charger for charging. Fully charge the battery before flight. Connect the charger's USB adapter to a PC terminal and then the battery to the charger. Charging time is approximately 130 min; recommended flight time is 6.5 minutes. Be sure to charge the battery before each flight.



**Installation:** Push the battery into its compartment with its lines facing away from the unit. Connect it to the drone's power line and coil the power line into the compartment. Be careful to avoid entangling the power line with the propellers.



## Frequently Asked Questions

### **1. Aircraft and remote control are not pairing**

- (1) Check that the aircraft and remote control are both powered on.
- (2) Turn off both the aircraft and remote control. Rebind the aircraft to the remote control by following the rebind directions on page 1 of this guide.

### **2. No video on the screen or user is experiencing strong video feed interference**

- (1) Check whether there are strong sources of wireless interference (i.e. WIFI, electricity, radio tower frequencies, etc). If there are any, please change your flight location.
- (2) Rebind the copter to the transmitter, as the 5.8 and 2.4 frequencies might be interfering with each other.
- (3) Browse through the selection of available 5.8GHz frequencies to find a clean channel.

### **3. Aircraft/video feed is shaking/shaky**

- (1) Check if the aircraft propellers are deformed or broken. Please replace them.
- (2) Check that all aircraft body screws are firmly in place.
- (3) Check whether any motor shafts are broken. Motors must be replaced if the shafts are broken.

### **4. Cannot take videos or pictures**

- (1) Check to see that the SD card is installed in the aircraft prior to power on.
- (2) Make sure the SD card is Class 10 or higher, contains 16GB or 32GB of storage and is formatted to FAT32.



**Notice:** Read the instruction manual carefully before use.  
Propellers may cause injury; caution!

**Warning:**

Do not leave the quadcopter charging unattended. Always disconnect the quadcopter from the charger immediately after charging is complete.

This is not a toy, not suitable for children under 14.

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

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User Manual