THE HUBSAN X4 FPV BRUSHLESS

ITEM NO: **H501S PRO**
FLY WHEN NO GPS SETUP, SEE CAUTION ON PAGE 02
ARM/DISARM MOTORS, SEE PAGE 06
RTH FUNCTION, SEE PAGE 09-10
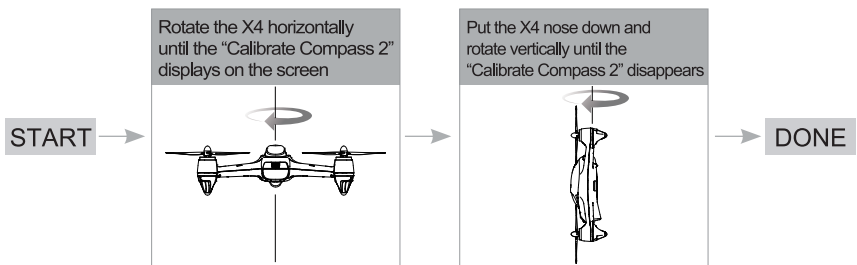FOLLOW ME FUNCTION, SEE PAGE 10-11
COMPASS CALIBRATION, SEE PAGE 16
TRANSMITTER CALIBRATION, SEE PAGE 18

COMPASS CALIBRATION BEFORE FLY

Compass calibration is required after the binding as instructed on the transmitter.

1.) Rotate the X4 horizontally until the " Calibrate Compass 2" displays on the screen.

2.) Put the X4 nose down and rotate it vertically until the " Calibrate Compass 2" disappears.

3.) Calibration done.

Rotate the X4 horizontally until the "Calibrate Compass 2" displays on the screen

Put the X4 nose down and rotate vertically until the "Calibrate Compass 2" disappears

START → → → DONE

⊘ • Do not calibrate the compass in a strong magnetic field

• Do not carry ferromagnetic materials with you while calibrating the compass, such as keys, cell phones, etc.
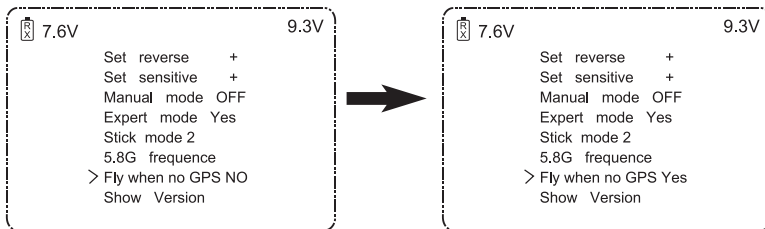
Hubsan FPV X4 Brushless

Please read the instruction manual carefully!

⚠ CAUTION:

For safety, the quadcopter is default set to CAN NOT FLY WHEN NO GPS. If you prefer to fly when GPS is not available, please reset the value as instructed below before using.

Pull the throttle stick to the lowest position and press the "ENTER" button for 1.5 seconds to enter into the MAIN MENU interface. Press the "UP/DOWN to select "Fly When no GPS", press the "ENTER" button to select "YES", select "Exit" to exit.

Long press the "EXIT" button to exit main menu interface.

```
┌─────────────────────────────┐       ┌─────────────────────────────┐
│ 🔋 7.6V              9.3V    │       │ 🔋 7.6V              9.3V    │
│      Set   reverse      +   │       │      Set   reverse      +   │
│      Set   sensitive    +   │  ──▶  │      Set   sensitive    +   │
│      Manual  mode   OFF     │       │      Manual  mode   OFF     │
│      Expert  mode   Yes     │       │      Expert  mode   Yes     │
│      Stick  mode 2          │       │      Stick  mode 2          │
│      5.8G  frequence        │       │      5.8G  frequence        │
│    ＞ Fly when no GPS NO     │       │    ＞ Fly when no GPS Yes    │
│      Show   Version         │       │      Show   Version         │
└─────────────────────────────┘       └─────────────────────────────┘
```

IMPORTANT SAFETY NOTES

OPERATION:

Be extremely careful and responsible when using the drone. Small electronic components can be damaged by crashing or by dropping the X4 into water. To avoid further damages, please replace broken parts immediately.

Flight:
- Take responsiblity for the safety of yourself and others when flying the X4 !
- Do not fly the X4 in crowded places.
- Do not fly in bad weather.
- Never try to catch the X4 while it is in flight.
- This model is intended for experienced pilots age 14+.
- Power off the X4 after flight to prevent the propellers from causing injuries.
- Always remove the battery after you stop flying to avoid injuries from accidentally powering on the motors.
- Always take great caution to protect yourself when near the propellers. The flight system will start after powering on regardless of the transmitter signal. The high speed propellers are very dangerous.
- Power off the X4 after every flight, otherwise the propellers may still rotate and cause injury.
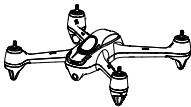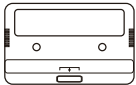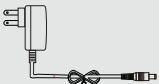
INTRODUCTION

Thank you for buying the HUBSAN products. It is designed as an easy-to-use, multi-functional RC model, capable of hovering, fast forward and acrobatic flight maneuvers. Please read the manual carefully and follow all the instructions. Be sure to keep the manual for future reference.

Quadcopter Weight: 435g(including battery)

FPV: First Person View Function enables you to experience every live moment of the flight from the drones's point of view.

1. ITEMS INCLUDED IN THE BOX

Check all the items in the box before use.

S/N	Part Name	Photos	Q'ty	Remarks
1	Quad copter		1PC	Equipped with smart flight controller,GPS and compass
2	Propellers		8PCS	Propeller A 4pcs, Propeller B 4pcs
3	Transmitter		1PC	FPV Transmitter, equipped with 8 X AA battery (Not included)
4	7.4V LiPo battery		1PC	For quad copter
5	LiPo Balance charger		1PC	For recharging the LiPo battery
6	LiPo Charger Adapter		1PC	110-240V
7	Assistant wrench		1PC	For removing propellers
8	User Manual		2PCS	Disclaimer Hubsan X4 Instruction Manual

2. QUAD COPTER MOTOR LED INDICATOR

Indicator Status:

1. Power on: 4 white LED indicators blink simultaneously every 1.5 seconds.

2. Compass Calibration:

   1). Horizontal calibration: 4 red LED indicators blink circularly.

   2). Vertical calibration: 4 green LED indicators blink circularly.

3. GPS Flight: 4 LED indicators remain blink. .

4. GPS Return : 2 front LED blink in white, 2 back LED blink in blue.

5. Altitude Hold: 2 front LED blink in white, 2 back LED blink in yellow.

6. Position Hold: 2 front LED blink in white, 2 back LED blink in green.

7. Low Voltage: 2 front LED blink in white, 2 back LED blink in red.

8. LED indicators can be turned off by long pressing the lower Throttle Trim on transmitter.

3. QUAD COPTER BATTERY

3.1 INTRODUCTION

The quad copter battery is rechargeable with 2700mAh capacity and 7.4V voltage.
The battery should ONLY be charged with the HUBSAN charger to avoid overcharge.

3.2 INSTALL THE BATTERY

Push the battery into the battery compartment
correctly and connect the battery plugs with the
correct polarity.
Close the battery compartment cover.
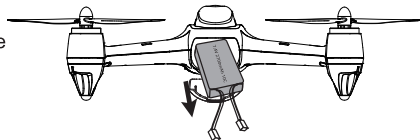
3.3 CHARGING

Connect the battery to the balance charger and wall charger. The balance charger
indicator is solid red when charging and turns to solid green when the battery is fully charged.
It takes around 210 minutes to get the battery fully charged.
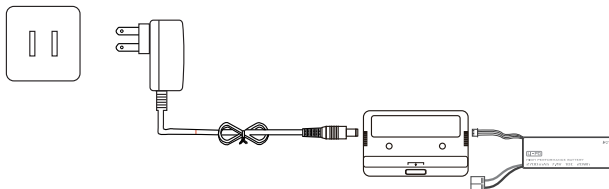
⚠ Please fully charge the batteries to avoid loss of control due to low voltage.
   Risk of explosion if battery is replaced by an incorrect type.
   Dispose of used batteries according to the local regulations.

©2016 Hubsan

4. QUAD COPTER UPGRADE
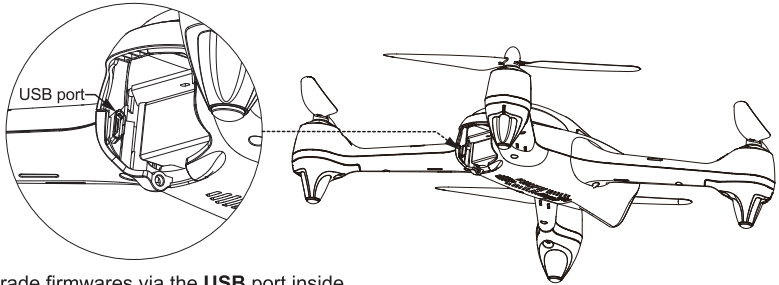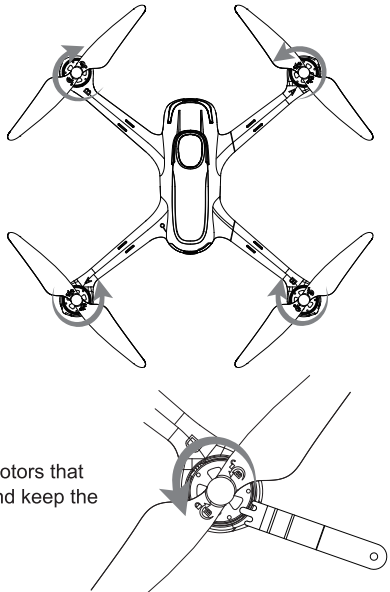
USB port

Upgrade firmwares via the **USB** port inside
battery compartment.

5. PROPELLER

A = A

B = B
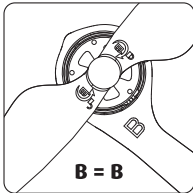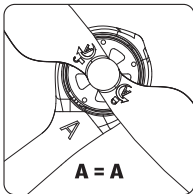
Attach the propellers to the corresponding motors that
are marked A and B,tighten the propellers and keep the
motors deadlocked with the U wrench.

⚠ ● Make sure that the A and B propellers are installed correctly. The X4 will not fly if
    propellers are improperly installed.

  ● Hazardous moving parts keep fingers and other body part away.

6.1 FLIGHT ENVIRONMENT

(1) The flying area should be open and without tall buildings or other obstacles; the steel structure within buildings interferes with the compass and the GPS signal.

(2) DO NOT fly in bad weather such as strong wind, heavy snow, rain or fog.
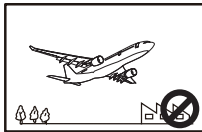
(3) Keep away from barriers, people, power cables, trees, and other obstructions.

(4) Do NOT fly near radio towers or airports.

(5) The X4 control system will not work properly at the South or North Pole.

(6) DO NOT fly in restricted areas and obey your country's laws and regulations.

| High Tension Line | Airport | Interference | Rain |

6.2 BINDING

The binding is completed in factory.

For re-binding, press "ENTER" button and power on the transmitter simultaneously until "Bind to Plane" displayed, then power on the drone, and place it very close to the transmitter, the binding will be completed after one " beep" heard.

Should the binding failed, please power off the drone and repeat above steps.

6.3 ARM/ DISARM THE MOTORS

Arm the motors

Method : Pull the left stick to the left lowest corner and the right stick to the right lowest corner as the picture shows. Release both sticks after the motors are armed.
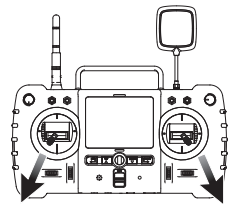
Disarm the motors
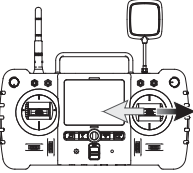
Method : Pull the left stick to the left lowest corner and the right stick to the right lowest corner again, and release both sticks after the motors are disarmed.

⊘   Do not stop the motors during the flight to avoid crashing.

☀   Push the sticks lightly. Release the sticks after the motors are armed or disarmed.

6.4 BASIC FLIGHT

The operation mode for the transmitter including Mode 1 or Mode 2. The manual will use Mode 2 as an example to illustrate the transmitter's operation.

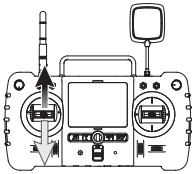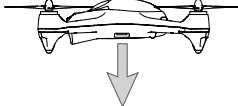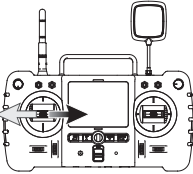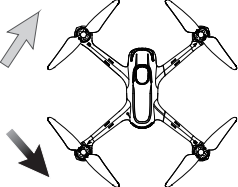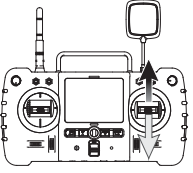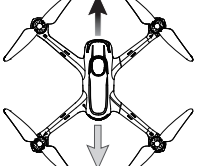| Transmitter (Model 2)	X4	Remarks
	UP / **DOWN**	The throttle stick controls the ascent and descent . Push up the stick and the X4 will ascend. Pull down the stick and the X4 will descend. When the stick is in the center, the X4 will hover and hold its alititude automatically . Move the throttle stick above the center position to take off. (Move the stick gradually to prevent the X4 from ascending too quickly.)
	Right rotation / Left rotation	The Rudder stick controls the rotate direction Push the stick to the left and the X4 will rotate counter-clockwise Push the stick to the right and the X4 will rotate clockwise. When the stick is in the center,the X4 will keep the current direction and not rotate. Pushing harder will cause the X4 to rotate faster in the corresponding directions.
	Forward / Backward	The Elevator stick moves the X4 forward and backward. Push the stick up the and the X4 will fly forward. Pull the stick down and the X4 will fly backward. When the stick is in the center, the X4 will hold its position. The angle of stick movement corresponds to the angle of tilt and flight speed.
	Left / Right	The Aileron stick controls left and right flight. Push the stick to the left and the X4 will fly to the left. Push the stick to the right and the X4 will fly to the right. The X4 will keep the current status when the stick is in the center. The angle of stick movement corresponds to the angle of tilt and flight speed.

position 1 (upward) position 2 (downward) [GPS] [SA] [Home] [SB]	The GPS Switch controls the position-hold function. In position 1 (up), the GPS function works. In position 2 (down), the GPS function is inactive.
	The RTH Switch controls the automatic return home function. In position 1 (up), the RTH function works. In position 2 (down), the RTH function is inactive.
Important Note: The GPS and RTH functions are only available outdoors.Please make sure the two switches keep downward when indoors.	For the Photo/Video function, always power off the quadcopter and the transmitter when inserting or removing the SD card
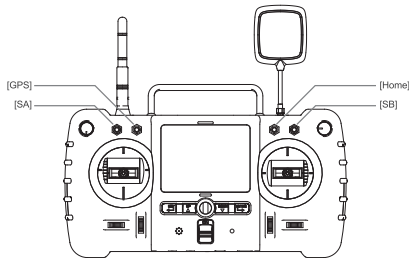
6.5 ANTENNA INSTRUCTION

For maximum communication range and to avoid interference, the 2.4G antenna should point skyward without obstructions during flight ; the side with "HUBSAN"logo of the 5.8G antenna should be bended vertically and point to the quad copter . The maximum range of the video transmission is around 1000 meters.
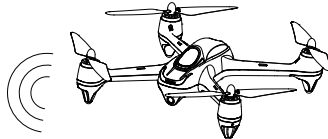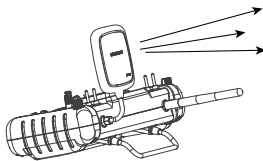
6.6 PHOTO/VIDEO
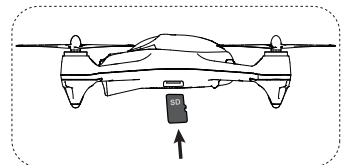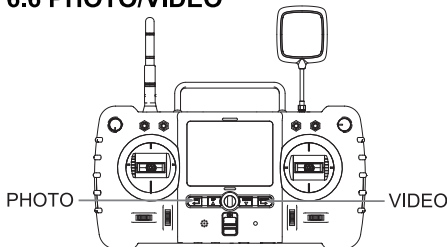
PHOTO   VIDEO

Insert the SD card into quadcopter before using Photo/Video function.
Press the EXIT button for 0.5 second to take photos.
Press the ENTER button for 0.5 second to take videos and press again to save the videos.

⚠ Stop recording before the SD card is removed.

7. ADVANCED PERFORMANCE SETUP

7.1 GPS POSITIONING/ HOME POINT SETTING

1.) GPS Positioning works ONLY when the GPS signal has no less than 6 satellites.
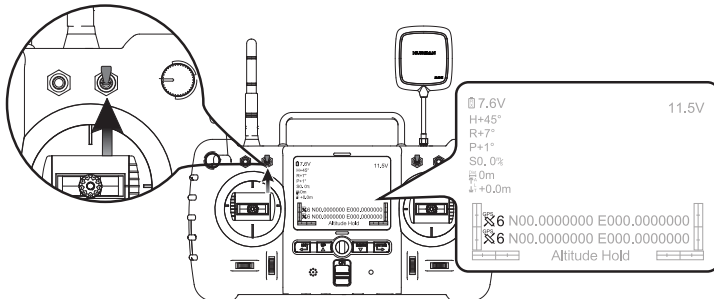
Push up the GPS switch to activate the GPS positioning.

Pull down the GPS switch to exit the GPS positioning (only altitude hold will be active).

2.) Home Point is recorded when armed the motors with no less than 6 GPS satellites.

3.) You should be in an open place to search for the GPS satellites, it'll take 3 mins to finish the searching, and the GPS signal strength depends on the flying environment.

7.2 RTH MODE (RETURN TO HOME)

ENTER INTO RTH MODE

Push the GPS Switch and the RTH Switch up, and the quad copter will enter into RTH mode. The flight control system will control the quad copter to fly back to the home point and land automatically.
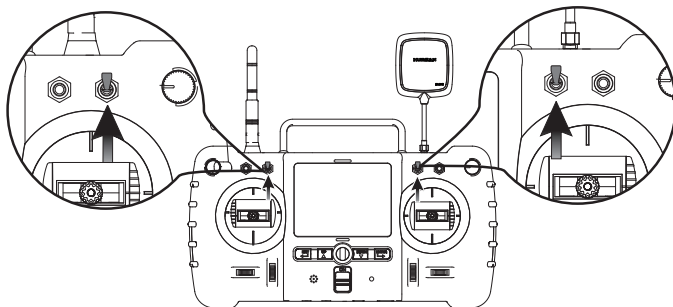
⚠ The RTH MODE only works when the GPS mode is activated with no less than 6 satellites.

The Home Point is recorded when armed the motors with no less than 6 GPS satellites.

EXIT RTH MODE

Pull down the RTH Switch, the X4 will exit the RTH Mode.
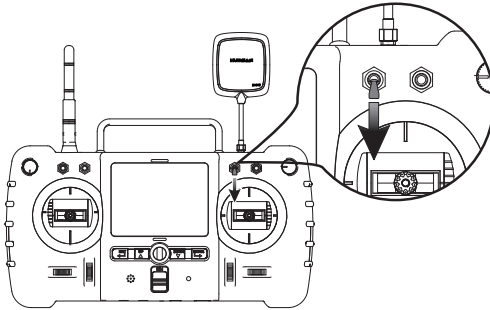
7.3 HEADLESS MODE

Headless mode means the X4
will default any directions
(corresponding to the directions
of transmitter sticks) as the up ahead
when the mode is activated.
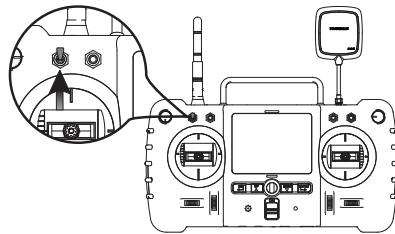
Push the "A" switch to enter/exit headless mode.

Push up the "A" switch to activate the headless mode, indicated by the H value displays in red.

Pull down the "A" switch to deactivate the headless mode, indicated by the H value dispays
in green.

7.4 FOLLOW ME MODE

Follow Me Mode means the
drone follows the transmitter
automatically as it has
built-in GPS system.

©2016 Hubsan
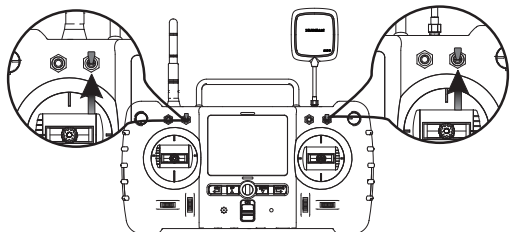
Push the "B" switch to enter or exit follow me mode.

Push up the "B" switch to enter into the follow me mode, indicated by " Follow Mode" displays in green and the quad copter's head turns to face the transmitter.
Only the throttle stick is functionable under follow mode.

Pull down the "B" switch to exit the follow me mode, indicated by " Follow Mode" dispears on the LCD.

⚠ The follow me mode only works when the GPS (both on transmitter and on drone) has no less than 6 satellites.
The follow me mode will be exited when you push/press any keys on transmitter except the throttle.

7.5 FAILSAFE MODE

The quad copter will enter into failsafe mode when the connection is lost from the transmitter. The flight control system will control the quad copter to return to the HOME POINT and land automatically. The failsafe mode helps to aviod injuries or damages.

CONDITIONS WHICH ACTIVATE THE FAILSAFE MODE

(1) Transmitter is powered off.

(2) The flight distance is beyond the range of the transmitter's signal transmission.

(3) The transmitter's signal was interrupted by some other strong electronic interference.

⊘ • To ensure that the X4 can return safely to its home point when signal is lost, fly the X4 in safe flight area.

• If the quantity of GPS satellites drops below six for more than 20 seconds while the X4 is returning home, the X4 will descend automatically.

• The X4 will not avoid obstacles automatically while in failsafe mode.

©2016 Hubsan

8. TRANSMITTER

MAIN MENU

quad copter's battery voltage — 🔋 7.6V
quad copter's head data — H+45°
quad copter's roll — R+7°
quad copter's pitch — P+1°
quad copter's speed — S0. 0%
quad copter's distance — 0m
quad copter's altitude — +0.0m

11.5V — Transmitter's battery voltage

✕6 N00.0000000 E000.0000000
✕6 N00.0000000 E000.0000000
Altitude Hold

Quad copter's GPS satellites, longitude&latitude

Transmitter's GPS satellites, longitude & latitude

Altitude Hold , GPS Hold, Return Home, Follow Mode, Manual Mode

TRANSMITTER
Caution: The switches in downward positons, functions are off.

[1] 2.4G Antenna
LCD
[10] 5.8G Antenna

[2] GPS Switch
[11] Home switch

[3] Headless mode switch
[12] Follow mode switch

[4] 3D gimbal dial 1
(Not for H501S)
[13] 3D gimbal dial 2
(Not for H501S)

[5] Elevator/Rudder stick
[14] Neck strap attachment

[15] Throttle/Aileron stick

[6] Photo/ EXIT button
[16] Record/ENTER button

[7] Rudder trim button
[17] Aileron trim button

[8] Elevator trim button
[18] Throttle trim button

[9] UP button
[19] DOWN button

7 Power button

(MODE 1)

[1] 2.4G Antenna
LCD
[10] 5.8G Antenna

[2] GPS switch
[11] Home switch

[3] Headless mode switch
[12] Follow mode switch

[4] 3D gimbal dial 1
(Not for H501S)
[13] 3D gimbal dial 2
(Not for H501S)

[14] Neck strap attachment

5 Throttle/Aileron stick
15 Elevator/Rudder stick

[6] Photo/EXIT button
[16] Record/ ENTER button

[7] Rudder trim button
[17] Aileron trim button

[18] Throttle trim button
[8] Elevator trim button

[9] UP button
[19] DOWN button

7 Power button
(MODE 2)

Goggle's port   DSC

12 |

8.1 INPUT KEY FUNCTION

S/N	Mode/ Control	Function
[1]	2.4G Antenna	To control the quad copter's flight functions
[2]	GPS Switch	Switch in upper position, GPS function on; Switch in the bottom position, GPS function off 。
[3]	Headless mode Switch	Switch in upper position, headles mode on; Switch in the bottom position, headless mode off 。
[4]	3D gimbal dial 1	Not for H501S
[5]	Elevator/Rudder stick	Push the stick forward or backward and the quadcopter will fly forward or backward;Push the stick left or right and the quadcopter will rotate in counter clockwise or in clockwise.
[6]	Photo/EXIT button	Press to take photo, press and hold for 1 second to exit menu setting.
[7]	Rudder Trim button	Rudder trim adjusts the drift of left and right rotation or yaw.
[8]	Elevator trim button	Elevator trim adjusts for forward and backward drift.
[9]	UP button	For Menu selection
[10]	5.8G Antenna	To receive the video transmision
[11]	Home Switch	Switch in upper position, return to home function on; Switch in the lower position, return to hom,e function off 。
[12]	Follow mode Switch	Switch in upper position, follow mode on; Switch in the lower position, follow mode off 。
[13]	3D gimbal dial 2	Not for H501S
[14]	Neck strap attachment	Save for neck strap
[15]	Throttle/Aileron stick	Push the stick forward or backward and the quadcopter will ascend or decend; Push the stick left or right and the quadcopter will fly left or right.
[16]	Record/ENTER	Press to record, press and hold for 1 second to enter into menu setting
[17]	Aileron trim button	Aileron trim adjusts the left or right drift.
[18]	Throttle trim button	Elevator trim adjusts the forward or backward drift.
[19]	Down button	For Menu selection
5	Throttle/Aileron stick	Push the stick forward or backward and the quadcopter will ascend or decend; Push the stick left or right and the quadcopter will fly left or right.
15	Elevator/Rudder stick	Push the stick forward or backward and the quadcopter will fly forward or backward;Push the stick left or right and the quadcopter will rotate in counter clockwise or in clockwise.

8.2 INSTALL THE TX BATTERY

Remove the cover

Install 8 x AA batteries
according to the correct polarities

Close the cover
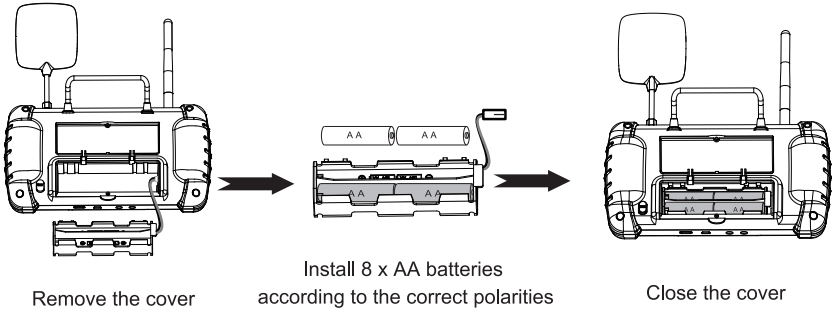
⚠ ● Do not mix old and new batteries   ● Do not mix different types of batteries
    ● Do not charge non-rechargeable battery.

8.3 REVERSING CHANNEL SETUP

If you would like to reverse any of the stick functions due to personal preference then follow the instructions below. Be aware that it will change the controls back to front.

Pull the throttle stick to the lowest position, press and hold the "Enter " button for 2 seconds simulatenously to enter into MAIN MENU interface. Select "Set Reverse" by UP/DOWN Buttons, press the "Exit" button to save and exit.
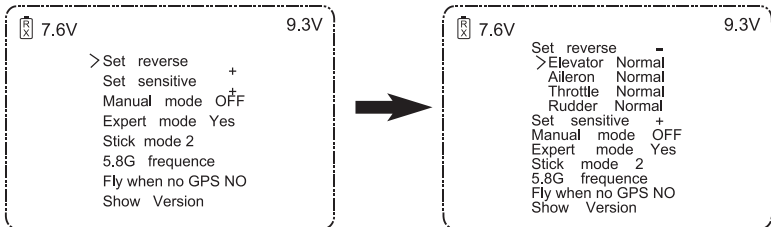
8.4 SENSITIVITY SETUP

If you would like to adjust the sensitivity of any of the stick functions then follow the instructions below.

Pull the throttle stick to the lowest position, press and hold the"Enter " button for 2 seconds simulatenously to enter into MAIN MENU interface. Select "Set sensitive", " Expert mode" or "Normal mode" by UP/DOWN Buttons, press the "Exit" button to save and exit.

©2016 Hubsan

```
┌─────────────────────────────────────────┐
│ Ⓧ 7.6V                          9.3V     │
│                                          │
│          Set   reverse        +          │
│          Set   sensitive      +          │
│          Manual  mode  OFF               │
│        >Expert   mode  Yes               │
│          Stick  mode 2                    │
│          5.8G  frequence  5795MHz         │
│          Fly when no GPS NO               │
│          Show   Version                   │
└─────────────────────────────────────────┘
```

⚠ Sensitivity default setting is in Expert Mode.
The quadcopter can't be disarmed when sensitivity value less than "60".

8.5 MANUAL MODE SETUP

If you would like to make acrobatic flights, such as throwing, please switch off the GPS function and follow the instruction below to enter into the Manual mode

Pull the throttle stick to the lowest position, press and hold the"Enter " button for 2 seconds simulatenously to enter into MAIN MENU interface. Select " Manual mode OFF" (with altitude function) or " Manual mode ON" (without altitude function) by " UP"/ " DOWN" buttons, press the "EXIT" button to save and exit.

```
┌───────────────────────────┐          ┌───────────────────────────┐
│ Ⓧ 7.6V            9.3V    │          │ Ⓧ 7.6V            9.3V    │
│                           │          │                           │
│    Set   reverse     +    │          │    Set   reverse     +    │
│    Set   sensitive   +    │   ───►   │    Set   sensitive   +    │
│   >Manual  mode  OFF      │          │   >Manual  mode  ON       │
│    Expert   mode  Yes     │          │    Expert   mode  Yes     │
│    Stick  mode 2          │          │    Stick  mode 2          │
│    5.8G  frequence        │          │    5.8G  frequence        │
│    Fly when no GPS NO     │          │    Fly when no GPS NO     │
│    Show   Version         │          │    Show   Version         │
└───────────────────────────┘          └───────────────────────────┘
```
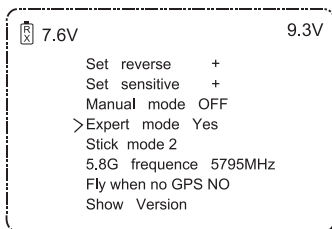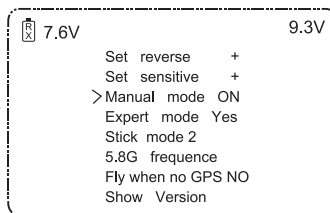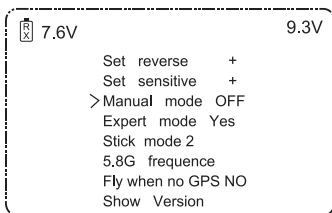
⚠ Manual Mode default setting is OFF.

Notice：

1. When the power on the transmitter runs low, the red LED will blink quickly and the LCD screen will turn black, also the transmitter and X4 may disconnect. Please replace with new batteries.
2. If the batteries in the transmitter runs low while flying the X4, you can still control the X4, please land the X4 and then replace batteries.
3. The Transmitter can only use 2S Lipo batteries, 4XAA batteries or NI-MH AA batteries, other batteries will damage the Transmitter.

9. CALIBRATION

9.1 COMPASS CALIBRATION

Compass calibration is required before the first time flight, otherwise the system may not work properly. The compass is very sensitive to electromagnetic interference which can cause abnormal compass data and lead to poor flight performance or even flight failure. Regular calibration enables the compass is in optimum performance.

⊘ • Do not calibrate the compass in a strong magnetic field

• Do not carry ferromagnetic materials with you while calibrating the compass, such as keys, cell phones, etc.

COMPASS CALIBRATION PROCEDURES

Please follow the calibrating procedures before the first flight.

1) Push the left stick to the most left side, and move the right stick left to right quickly until the transmitter displays "Calib compass 1"

2) Rotate the X4 horizontally clock-wise until the LCD screen displays " Calib compass 2"

3) Put the X4 nose down and rotate it vertically clock-wise until the " Calib compass 2" on screen disappears.

4) Calibration done.

START

Push the left stick to the most left side

Move the right stick left to right quickly, the LCD screen displays "Calib compass 1"

Calibration done

Put the X4 nose down and rotate it counter clock-wise until the 'Calib compass 2" disappears

Rotate the X4 clock-wise until the LCD screen displays "Calib compass 2"
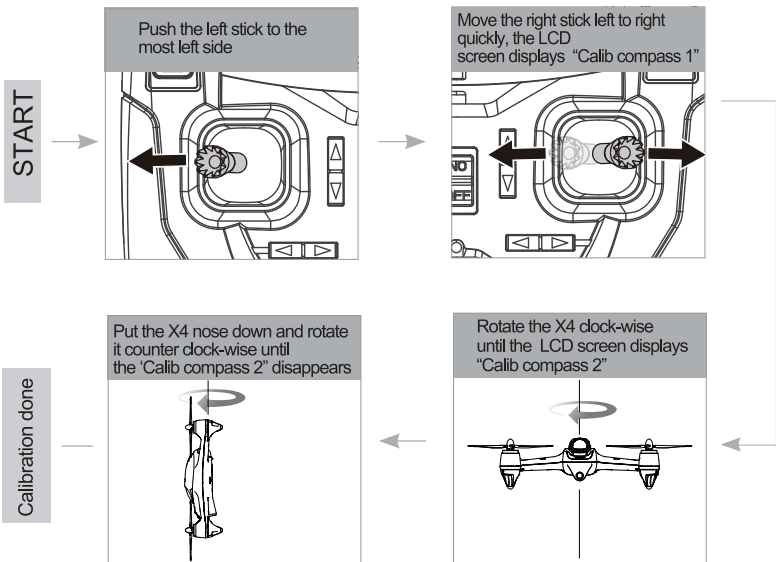
9.2 HORIZONTAL CALIBRATION

Horizontal calibration is required when the X4 is drift during flight.

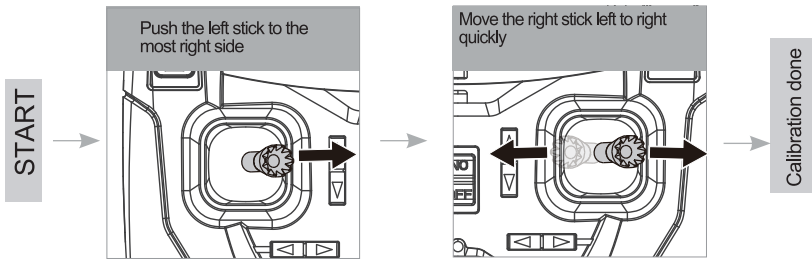Please follow the calibrating procedures:

1) Push the left stick to the most right side, and move the right stick left to right quickly until the 4 LED indicators blink in yellow slowly.

2) Calibration succeeded when the 4 LED indicators stop blinking slowly.

START
Push the left stick to the most right side
Move the right stick left to right quickly
Calibration done

9.3 ROTATION CALIBRATION

Rotation calibration is required when the X4 is yaw during flight.

Please follow the calibrating procedures and be sured that the X4 always on horizontal surface:

1) Push the left stick to the top side, and move the right stick up and down quickly until the 4 LED indicators blink in yellow slowly

2) When the 4 LED indicators turns into red and blink circularly, rotate the X4 horizontally clock-wise until the 4 LED indicators remain lighted in green

3) When the 4 LED indicators turns into red again, rotate the X4 horizontally clock-wise until the 4 LED indicators explosion-flashing simultaneously

4) Calibration done

START
Push the left stick to the top side
Move the right stick up and down quickly
Calibration done
Rotate the X4 clock-wise until LED indicators explosion-flashing simultaneously
Rotate the X4 clock-wise until LED indicators remain lighted in green
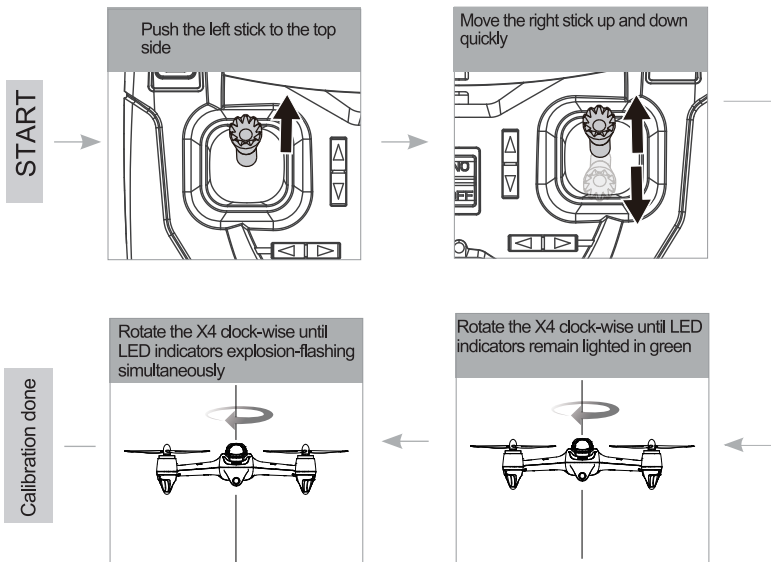
10. TRANSMITTER STICK CALIBRATION

Mode 2: Push both sticks to the upper left corner and power on the transmitter simultaneously, the LCD will display "Calibrate Stick Mode 2", rotate both sticks in circles for three times, release both sticks, then press any trim for 1.5 seconds until one "beep" heard which indicates a successful calibration.

Mode 1: Push the left stick to the upper left corner and the right stick to the upper right corner and power on the transmitter simultaneously, the LCD will display "Calibrate Stick Mode 1", rotate both sticks in circles for three times, release both sticks, then press any trim for 1.5 seconds until one "beep" heard which indicates a successful calibration.

Mode 2

Mode 1

Mode 2/Mode 1

Mode 2/Mode 1
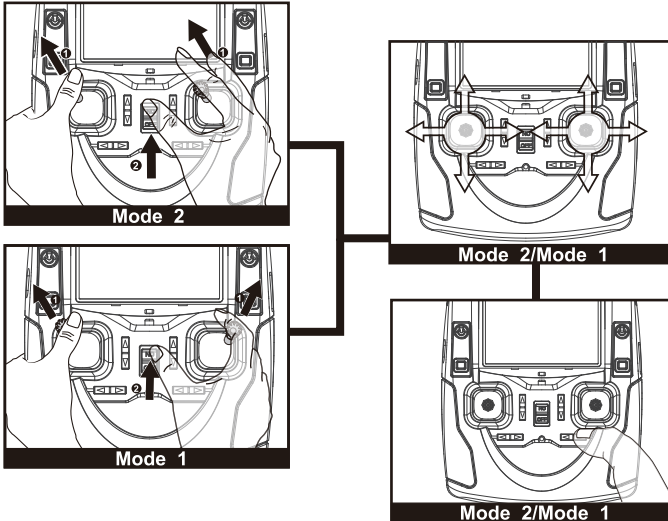
⚠ The transmitter mode can be shifted according to the above operation.

11. FREQUENCY SELECTABLE 5.8GHZ

The transmitter will automatically find the best frequency to ensure a live video with good quality of transmission. Please re-select the frequency from 5730MHZ to 5845MHZ to get a better video transmission when necessary.

Pull the throttle stick to the lowest position and press the Elevator stick for 1.5 second to enter into the MAIN MENU interface. Push the Elevator stick up/down to select "5.8G Frequency", push the stick to the right to enter into the " 5.8G frequency" interface, select a matched frequency.

0:08:49 M2

MAIN MENU
Set Reverse   ▶
Set Sensitivity ▶
5.8G Frequency ▶
Set   Manual   ▶
Fly When no GPS ▶
Show Version   ▶
Exit   ▶

0:08:49 M2

5.8G FREQUENCY
Exit
5730MHZ
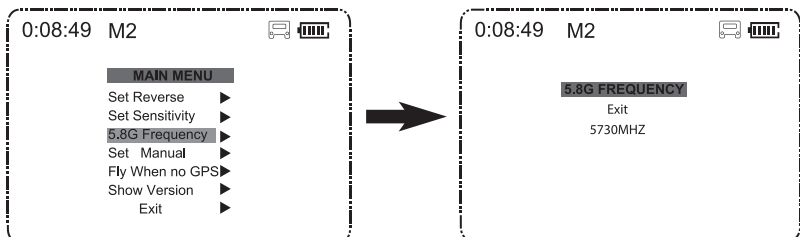
EXPLODED VIEW
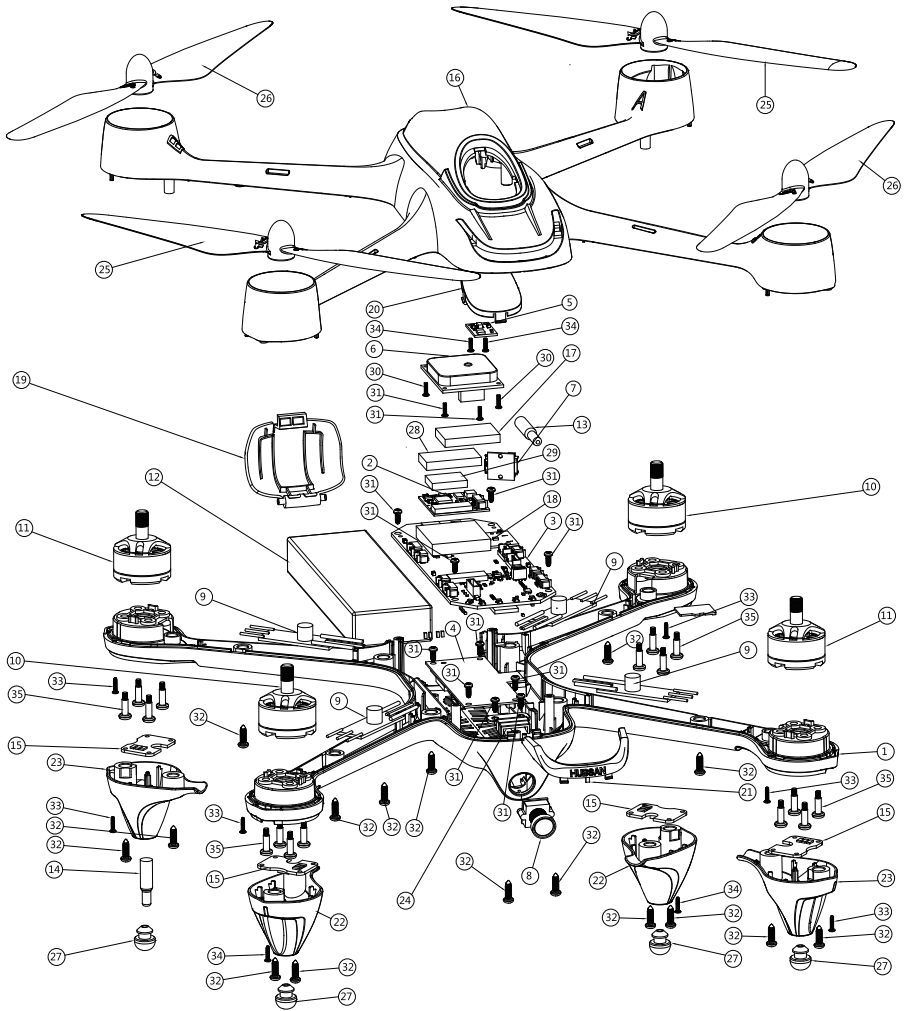
NO.	PART NAME	QTY	NO.	PART NAME	QTY
01	Lower Body Shell	1	19	Battery Cover	1
02	Main Control Board	1	20	Canopy	1
03	Power Board	1	21	Eye Lampshade	1
04	5.8 GHz Transmission PCBA	1	22	Motor A Lampshade	2
05	Compass PCBA	1	23	Motor B Lampshade	2
06	GPS Module	1	24	Lens Holder	1
07	USB PCBA	1	25	Propeller A	2
08	Camera Module	1	26	Propeller B	2
09	ESC	4	27	Rubber Feet	4
10	Motor A	2	28	Shielding Case	1
11	Motor B	2	29	Sponge	1
12	Li-Po Battery	1	30	Screw	4
13	2.4G Attenna	1	31	Screw	10
14	5.8G Attenna	1	32	Screw	16
15	LED PCBA	4	33	Screw	8
16	Upper Body Shell	1	34	Screw	2
17	2.4GHz Shielding Case	1	35	Screw	16
18	Sponge	1			

H501S SPARE PART CHART

H501S-01 Body Shell Set- White	**H501S-22** Body Shell Set- Black	**H501S-02B** Battery Cover- Black	**H501S-02** Battery Cover- White	**H501S-03** Canopy	**H109-04** Rubber Feet
H501S-04 Screw Set	**H501S-05** Propeller A- Gold	**H501S-06** Propeller B- Gold	**H501S-05B** Propeller A- Black	**H501S-06B** Propeller B- Black	**H501S-07** Brushless Motor A
H501S-08 Brushless Motor B	**H501S-09** PCB Module	**H501S-10** Flight Control PCB Module	**H501S-11** 5.8G Transmission Module	**H501S-12** GPS Module	**H501S-13** Compass Module
H501S-14 Lipo Battery 2700MAh	**H501S-15** Remote	**H301S-11** Adapter	**H301S-12** Balance Charger	**H501S-16** U Wrench	**H501S-17** Eye Lampshade
H501S-18 Motor LED Lampshade	**H501S-19** ESC	**H501S-20** LED PCBA	**H501S-21** 2.4G Receiver Module		

FCC INFORMATION

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 local dealer or an experienced radio/TV technician for help.

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.

ENVIRONMENTALLY FRIENDLY DISPOSAL

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to thise collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

Electrical and electronic equipment that are supplied with batteries (including internal batteries)

WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Internal / Supplied Batteries.

This symbol on the battery indicates that the battery is to be collected separately.

This battery is designed for separate collection at an appropriate collection point.

User manual is subject to change without prior notice due to
unforseen product upgrades.

Download the latest user manual from

WWW.HUBSAN.COM