

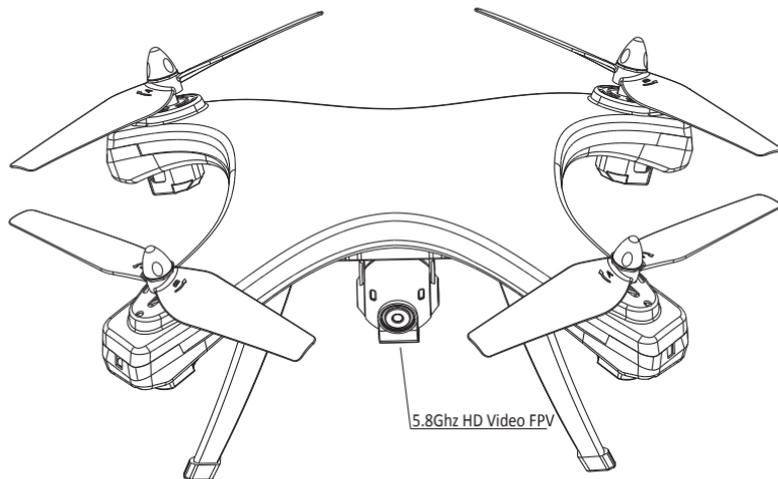


# FLANKER

## Instruction Manual

### Auto Take off & Landing HD FPV Acrobatic maneuvers drone

## W606-5



- Recording and sharing in HD, During each flight, you can record an HD video that's sent directly to your iOS/android devices
- Acrobatic maneuvers continuous flips
- Fast LiPo battery charger with US/JP, UK, EU, ANZ plugs
- Headless Mode for beginners and taking a video
- A View from Above See exactly what your camera sees with a live HD video feed right on your mobile device

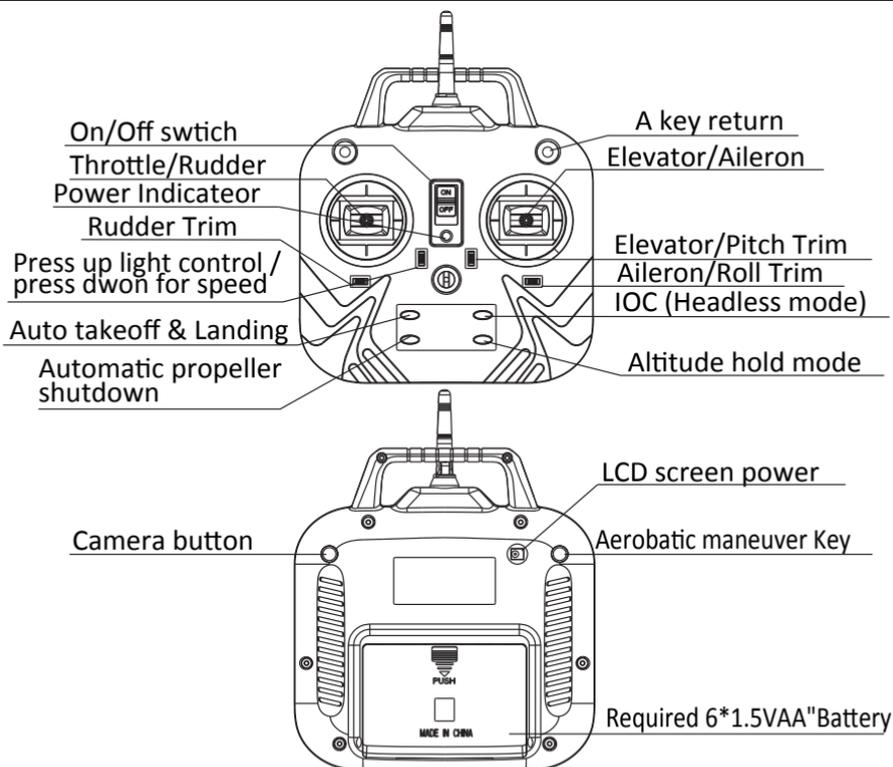
Please read the instruction manual before go for flight.

# 5.8GHz FPV FLANKER Aircraft:

## NO. Flanker main technical contents

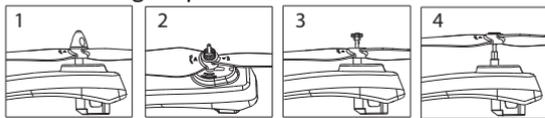
FLANKER Size	L: 420MM × W: 320MM × H:150MM
FLANKER weight	560 gram
Flying distance	200-300 meters
Charging time	180 minutes
Flying time	9-10 minutes
Adapter for FLANKER	Standard charger
Battery	7.4 V 2500 MAH Li-po battery inside
Transmitter Battery	6*AA battery (Not including)

## GET TO KNOW YOUR TRANSMITTER



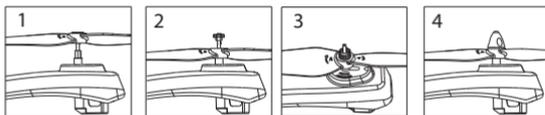
## Installation of propeller /Dismounting Steps

### Dismounting Steps:

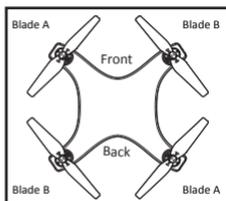


1. Rotate cover of blades counterclockwise & take it out (as picture 1).
2. Rotate collar bush counterclockwise and get tube out (as picture 2).
3. Pull collar bush up as picture 3.

### Installation Procedure:



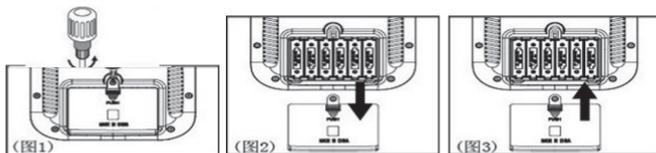
1. Take fan blades plug in gear wheel through the main shaft (as picture 1).
2. Fix the collar bush plug in main shaft tube (as picture 2).
3. Arrange tube plug into the hole of main shaft tube, and then tighten the cover by turning it clockwise (as picture 3).
4. Tighten fan blades by turning it clockwise (as picture 4).



### Details of replacement blades:

1. Replace the corresponding blades as above picture shows (reference mark in blades must be in the same as the UFO), arrows in the picture is motor direction.

## Remote control installation instructions

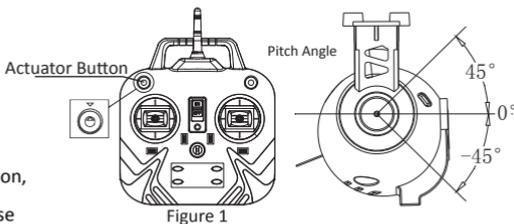


Install the batteries regarding above given instruction

### Radio control Camera function details:

Calibrate your aircraft first, and here you go with radio control Camera, just move the Actuator button left and right camera will move up and down.

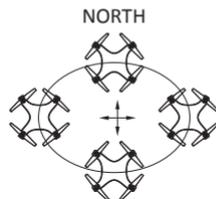
1. Move actuator button clockwise rotation, camera move up to 45 degree direction.
2. Move actuator button counterclockwise rotation, camera rotates downside direction.



Camera(actuator system) Angle adjustment (optional accessories):

## How Does Headless Mode Work:

The functioning of headless mode is pretty simple. The only pre-requisite is that before taking off, you're required to position the drone in such a way that its front is your front. Since yaw (the left stick) anyway doesn't have anything to do with orientation (left is left and right is right all the time, regardless of where your drone is pointing at), it is how the drone reacts to rudder (the right stick) that changes. In other words, even when you turn your drone 90 degrees to the left, it'll still go forward when you push the rudder forward (on a non-headless mode drone, this would make the drone go left).



## One Key Return:

One key return is the function which helps to save your drone to land or crash when you fly far away from you, like you are flying the drone 100 meters away from you, and it's going to be out of control, just push down the key on the upper right side, the drone will come to you.

## Altitude Hold Mode :

In altitude hold mode, the aircraft maintains a consistent altitude while allowing roll, pitch, and yaw to be controlled normally.

When altitude hold mode is selected, the throttle is automatically controlled to maintain the current altitude. Roll, Pitch, and yaw operate the same as in Stabilize mode, meaning that the pilot directly controls the roll and pitch lean angles and the heading.

Noted: Before activating the altitude hold mode, ensure the aircraft has enough altitude (recommended altitude at least 2 meters from the surface).

## Auto Take off & Landing :

**AUTO TAKEOFF:** Before going for this unique feature, auto takeoff & landing, please calibrate your aircraft first. After that, find the auto takeoff & landing button (Image 3) on the lower left side of the transmitter button for over 3-6 seconds; the aircraft will take off. Please press the fast/slow button (Image 2) to fly up and lose altitude.

**LANDING:** Please press the same auto takeoff & landing button (Ref Image 03) for landing.

### Ascending & Desending:

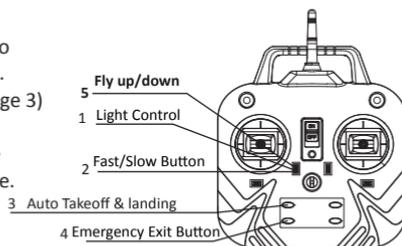
Under this function, your throttle will be neutral (You can't fly up/down by throttle), side fly/turn left/turn right work normally. Press the same button (Ref Image 3) to exit from auto takeoff & landing function and start flying manually.

**Key 5:** In state of auto takeoff & landing, "KEY 5" works as throttle (fly up/ascending and descending) of the aircraft.

**KEY 2:** In state of auto takeoff & landing, key 2 will not work as fast and slow speed function. When you are flying in normal mode, it will work fast and slow speed. Press downward with 1 beep means normal speed and press again, with two beep sounds it means fast speed.

**KEY 1:** Push upward to off/on LED lights of the aircraft.

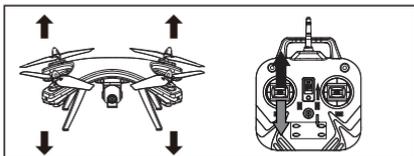
**KEY 4:** Under auto takeoff & landing state, this function (Emergency exit) works only. Just press the key when you want to stop the drone by force when you feel it hit some obstacle; the drone will shutdown.



# Flying operation introduction

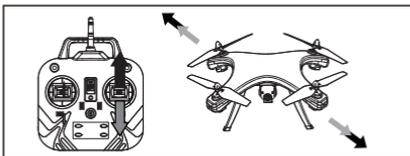
**▲ First Step:** Push the throttle up and down twice for connecting the drone.

## Hover up and down



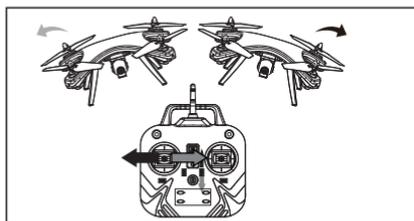
Push the throttle up or down, the quadcopter flies upward or downward.

## Forward and backward



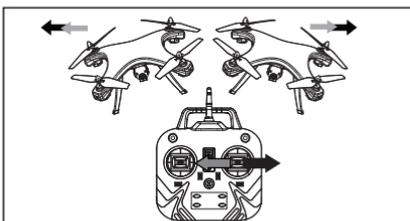
Push the direction lever up or down, the quadcopter flies forward or backward.

## Turn Left and Right



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

## Sideward fly

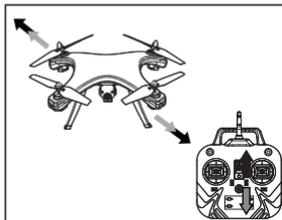


Pull the direction lever left or right, the quadcopter flies to left side or right side.

## Fine-tuning operation

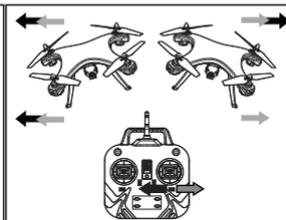
If the drone hovering but not stable means going front/back or side fly/rolling Please go through the trimming option to make the aircraft stable, Or just switch off the transmitter and keep press the camera button & switch on again transmitter will trimming it automatically

### Forward/Backward fine-tuning



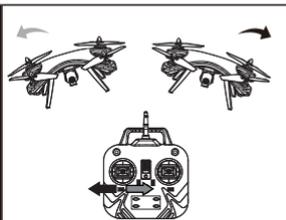
When the quadcopter keeps flying forward / backward, you can correct it by pressing fine-tuning button down / up.

### Sideward fly fine-tuning



When the quadcopter keeps flying sideward, you can correct it by pressing fine-tuning button left/right.

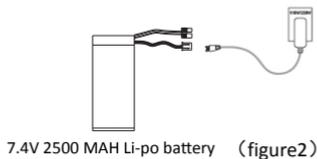
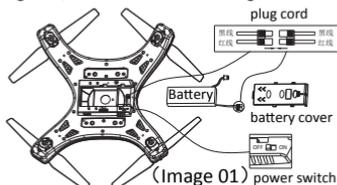
### Turn left/right fine-tuning



When the quadcopter keeps rolling/head move left/right, fix it by pressing fine-tuning button left to right/right to left.

## Battery charging using instructions

Remove the battery from aircraft before charge, place the adpoter and battery socket in right way (Image 01). when charge will have Red light on adpoter, after 180 minutes when the charge complete it will turn green, which means full charge.



### Warning on Li-poly battery:

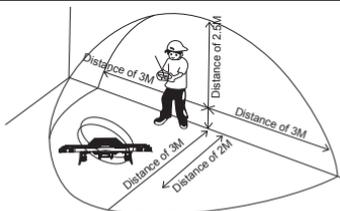
- \*When charging, please put the drone on a dried oarea and keep it far away from heat source or explosive product.
- \*After flying, please do not charge the battery if the surface temperature is stillnot cool. Otherwise it may cause a swollen battery or even a fire hazard.
- \*Please make sure that you use the original adpoter provided with the drone and When the battery has been used for a long time, or appears to be swollen, please replace them.
- \*IF not in use for a long time will lose its charge automatically Charging or discharging too often may reduce its ife

## Environment for flight

Please have good practice before go to flight

### NOTICE

When we move the acceleration handle upward, then downward to the bottom. If the red indicator keeps to flash, it shows the battery has no enough power. You should replace with new batteries.



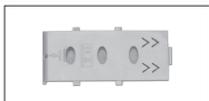
## Spare parts



Part-01  
Upper/Down Body



Part-02  
2.4G Remote Controller



Part-03  
Battery cover



Part-04  
Motor kit holder



Part-05  
7.4V 2500 MAH Li-po battery



Part-06  
Main Blade A



Part-07  
Main Blade B



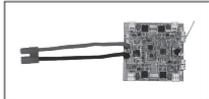
Part-08  
5.8Ghz FPV LCD Screen



Part-09  
Charger



Part-10  
Landing Gear



Part-11  
PCB Board



Part-12  
Normal Camera



Part-13  
RC Camera



Part-14  
Main Motor



# 5.8GHz FPV Device

## INSTALLATION AND OPERATION

### 5.8G Real-Time Transmission Transmitter Component Installation Instructions

The four pillars (Image 1) 5.8G real-time transmission transmitter component corresponding to (Image 2) (A) are installed, screw them. Then connect the plug (Image 2) (C) to 2 pin socket.

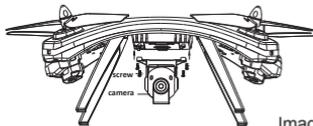


Image 1

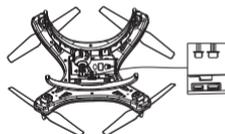


Image 2

### Real-Time Transmission Display Screen Installation Instructions

The fixed handle under cover (Image A) to the handle (Image D), (Image B) display screen. Directly fixed buckle to the handle (Image D). (Image E) is installed. And then fixed by screw, Connect the wire (Image C), power DC socket connect to the display screen, connect another DC socket behind the remote controller.

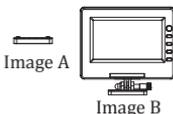


Image A

Image B

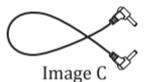


Image C



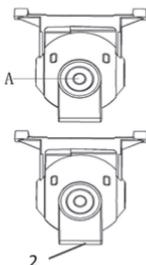
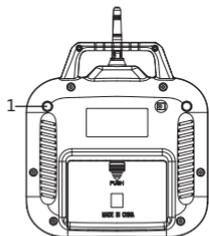
Image D



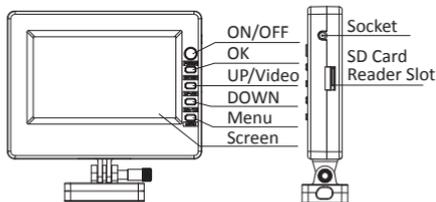
Image E

### 5.8G Real-Time Transmission Display Operating Instructions:

#### I .Brief Introduction :



TF Card Slot



#### II .Function Description:

##### I. Turn on/Turn off

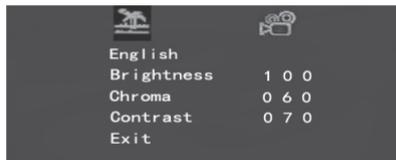
Turn on: Connect the power, long press 5.8G screen "power switch" button for 3~5 seconds. The display screen light will display the Huajun Aeromodelling Logo.(Image F);

Turn off: Turn off after using, press 5.8G screen "power switch" button for 3~5 seconds, the display screen out.

##### II. Menu Introduction:

The menu consists of two small menu, as shown in the following image.

(Menu 1 & Menu 2)



Menu 1



Menu 2

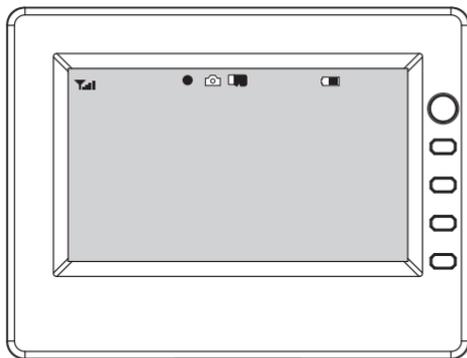


# 5.8Ghz FPV LCD

## INSTALLATION AND OPERATION

### IV. DISPLAY SCREEN ICON INSTRUCTION

#### 1.Real-Time Transmission Display Interface



 : Signal Strength Display Icon

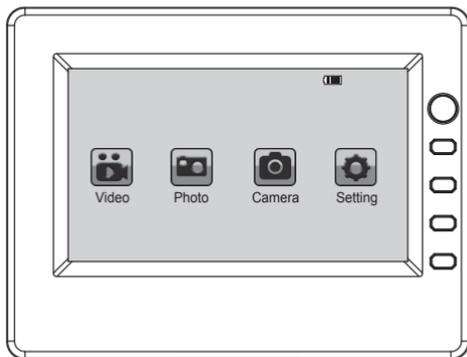
  : Recording Status Display Icon  
(No recording states red dots disappear)

  : Photo Shooting Status Display Icon  
(Red dots on screen will flash once when taking photo)

  : Card Display Icon When Card Inserted

 : Power Display Icon

#### 2.Main Menu Interface



In the "Main Menu" interface, using the "Fast-Forward Button" or "Fast-Rewind Button" to select the function icon. Press the enter button to get in.

 Video : Enter to review and play TF card

 Photo : Enter to review photo

 Camera : Enter the display of "real-time transmission "

 Setting : Enter the display parameters

### V. ACCESSORY

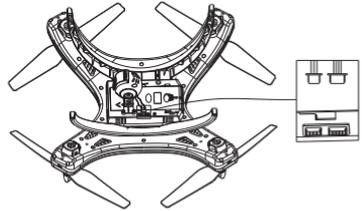
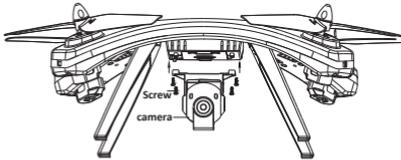
Reader 1PCS 、 4GB TF Card 1PCS

### REMARKS

- 1.Transmission Distance: 100-150M. If beyond the effective distance does not affect take photo and video function.
- 2.During the recording process, please stop recording function first. Then take out the card. Otherwise it will affect the normal playback of video files.

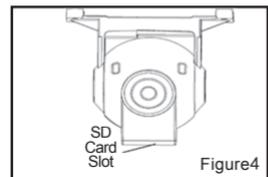
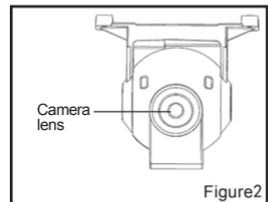
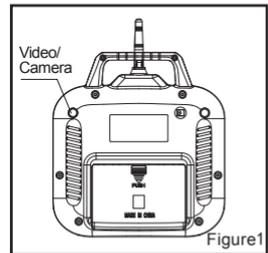


# Camera Installation



## USING THE ON-BOARD VIDEO CAMERA

1. Install the SD card, power on, green light on. If not install the SD card, green light on, red light flash.
  2. Start taking video, press the video / photo button (Figure 1). The indicator light behind the camera display status: green light on, red light flash one time. Repeat the above steps, take pictures.
  3. When taking video, just press the video/Photo button (Figure 1) for 3 seconds. Lights behind the camera display status: Green light on, red light on. If you want to exit the video, only need to press long video/Photo button (Figure 1) for 3 seconds. The lights behind the camera display status: Red light extinguish, green light on.
  4. When the camera SD card is full, the red light by the long on, becomes automatic off, green light on. If you want to keep your photography needs to remove the SD card. Then put the content of the SD card input to computer. Input empty then continue photography. (Note: 5MP camera status lights are green /Blue)
  5. MicroSD Card can now be used as a Flash Drive.
  6. Go to "NO NAME" drive, go into the DCIM Folder, Go into the 100DSCIM Folder, AVI files can be played on several media players such as "Quicktime."
  7. HAVE FUN!!!
- If you have trouble playing the files with Quicktime try your other media players. You can also look online for recommended free downloadable AVI players.
  - Video camera does not record sound. But can record video and take photos.
  - Micro SD Card should be placed with the little copper connections facing as show in. (image 4)
  - No compression video files can be moved or deleted.



## Fittings



CARD READER



SD CARD