

# LH-H14 GPS RC Drone Series



TR3390 Wifi FPV RC Drone



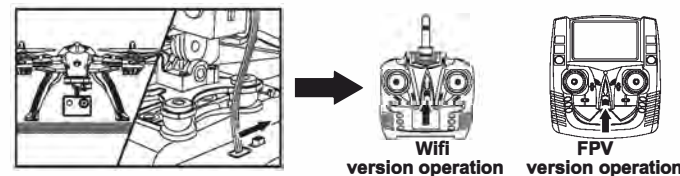
TR3392 5.8GHz FPV RC Drone

Thank you for purchasing our product. Prior to using the RC GPS Drone, please read this instruction manual carefully and please keep it for future reference.

## OPERATION INTRODUCTION:

### 1.Powering the Drone:

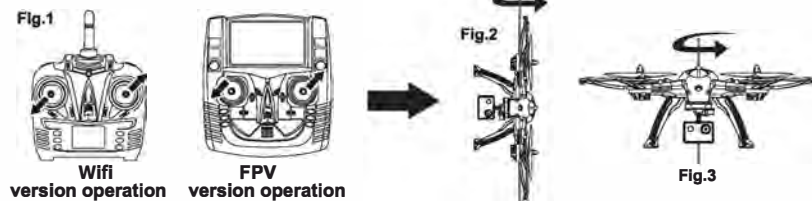
Place the RC GPS Drone on level ground and turn on the power, lights will flash. Turn the remote controller's power on. The remote will beep to indicate successful pairing.



**NOTE:** GPS mode operation can only be achieved in open space outdoors application. Take note of unmanned aerial vehicle lights are often on the fuselage, said GPS was received successfully.

### 2.Compass calibration: (Perform calibration for first time use)

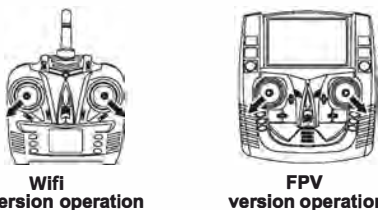
- Place left joystick to the bottom left and right joystick top right position (Fig.1), the LED lights will flash after 5 seconds, at which point you can calibrate.
- Hold the drone according to (Fig.2-3), rotate the drone vertically and then horizontally 3 times. The led will flash slowly to indicate successful calibration.



**NOTE:** 1. Please ensure to calibrate the drone prior to maiden flight  
2. The longitude and latitude of each region is different. Flying the drone in different locations for the first time must perform the compass calibration process to ensure proper operation. Failure to calibrate may result in malfunction of the drone

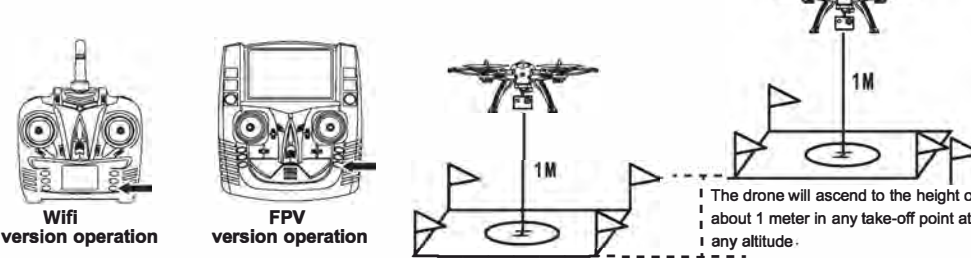
### 3.Drone unlock:

The drone is on lock mode after power up for safety reasons. To unlock the drone and ready for flight, place the left hand joystick to the bottom left and the right hand joystick to the bottom right simultaneously. The Drones propellers will spin to indicate it is ready for flight.

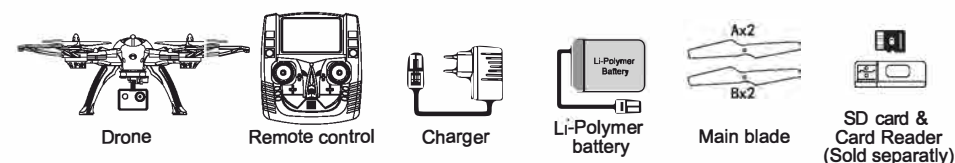


### 4.One key take-off/landing:

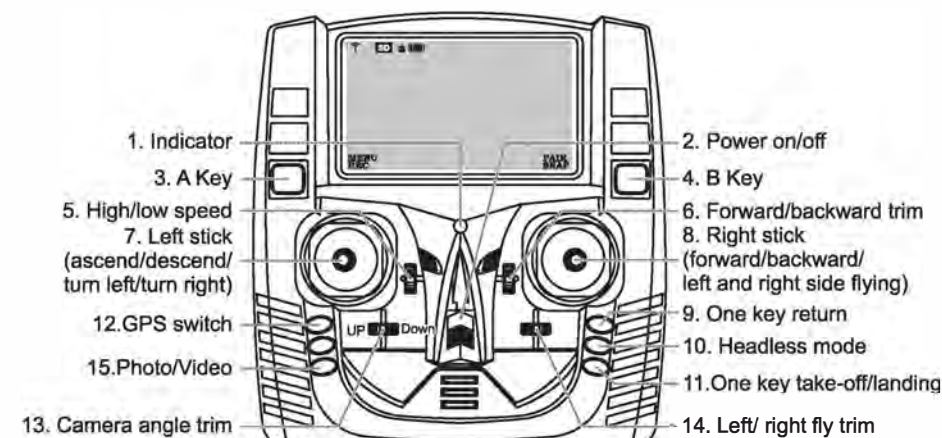
When the unlock is complete, the propeller rotates at a constant speed, press the Take off key function indicated in the image below. The drone will automatically take off to a height of about 1 meter, and maintained highly stable flight when landing a key function key is pressed again, the craft will automatically slow down.



## FPV Parts Description



## FPV VERSION FUNCTION KEYS & NAME DESCRIPTION

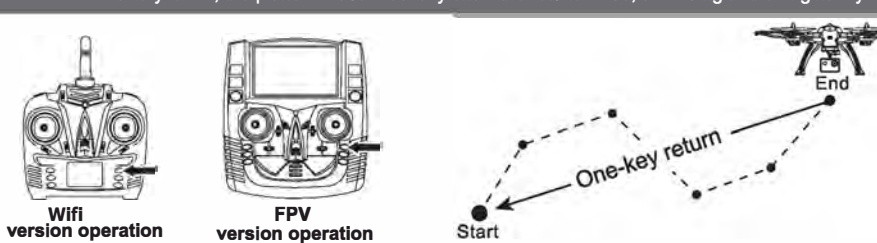


Serial Number	Function keys / Names	Function / Effect
1	Indicator	Light intermittent blinking; wait for 2 seconds, then hear "drop" lamp always impose with a success.
2	Power ON/OFF	Remote controls power, press the remote control power supply is turned on, press off the power.
3	A KEY	Short press Button A for video recording (short press again to save the video)
4	B KEY	Short press Button B and take pictures
5	High/low speed	Adjust the aircraft left / right / forward / backward / left / right side fly speed.
6	Forward/backward trim	In the vehicle to the forward (backward) moves to the backward (forward) light, press this key can make the vehicle stable.
7	Left stick	Up/down, left/right turn.
8	Right stick	Forward/backward, left/right.
9	One key return	Touch this button to make the aircraft automatically return.
10	Headless mode	Tap into headless mode, the aircraft can operate without a sense of direction, then touch cancel function.
11	One key take-off/ Landing	Touch this button, the aircraft rises to a certain height, can keep this altitude; then touch the button, the vehicle will slowly descend to the ground.
12	GPS switch	Touch open the GPS function, and then touch turn off the GPS feature.
13	Camera angle trim	Move this button up to adjust the camera angle upward. Move this button down to adjust the camera angle downward.
14	Left/ right fly trim	In the vehicle to the left (right) moves to the right (left) light, press this key can make the vehicle stable.
15	Photo/Video	Tap into the camera, long press 3 seconds into the video feature, and then touch the cancellation.

## 5. One key return:

While the drone is flying, press the One Key Return Button, the remote control start to beep and the drone will return. No opportunity to follow the original instructions of auto-landing after flying back to the ground.

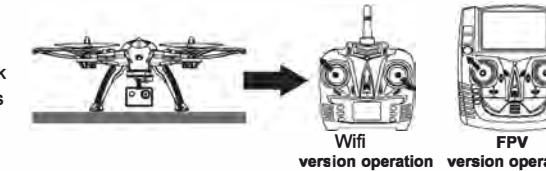
**NOTE:** When the drone flights, body lights slowly, says UAVs are weak. When the drones in flight when the battery is low, the plane will automatically enter the return mode, according to the original fly back.



**NOTE:** When the unmanned flight, the fuselage is not stable, Gyros calibration can be carried out.

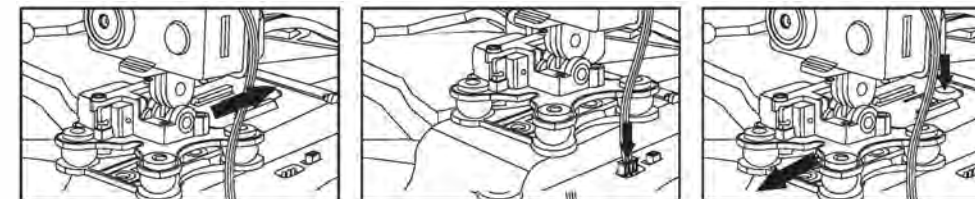
## 6.Gyro calibration:

Before First time use, please calibrate the gyro. Ensure drone is on stable ground, then move the left joystick to the top left corner and the right stick to the bottom right corner, hold 5 seconds, drones lights will flash to indicate the calibration was successful.



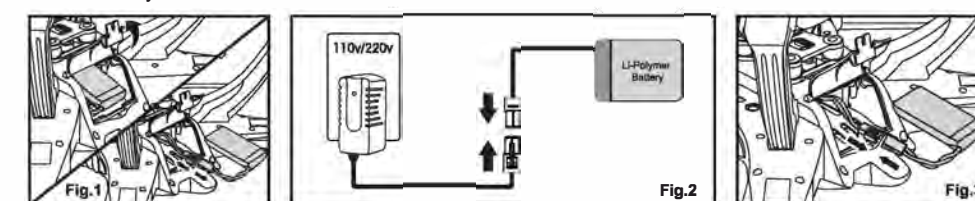
## CAMERA INSTALLATION

- Slide camera to slot on the base of drone, until it is locked by latch at the back end.
- Camera data cable plug to the receiver Board interface, camera installation is complete.
- When you need to uninstall the camera, hold down the lock button at the back end to pull the camera forward.



## THE INSTRUCTION OF LITHIUM BATTERY CHARGING

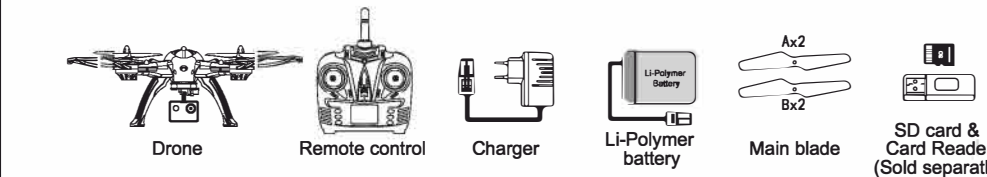
- Open battery cover of drone., Take out lithium battery of drone from battery case.(Fig.1)
- Plug the charger into the power supply, and the charger cord end of the socket connect with lithium battery socket. When charging, the charger LED light is red. When the charger LED light turns green, charging is complete. Charging time is approximately 150-180 minutes.
- Connect the battery plug with the circuit board plug after charging. Please pay attention to the correct polarity. There is no on / off switch on the drone, just connect / disconnect the plugs to turn it on / off. (Fig.3) After connecting the battery, the drone lights flash slowly to indicate drone is ready to pair.
- Close battery cover of drone.



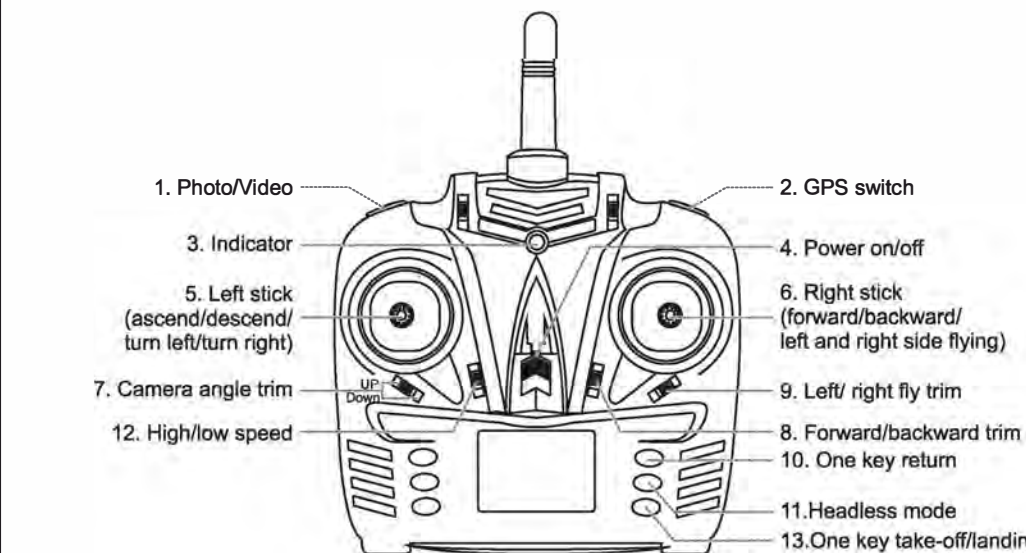
## Attention:

- Make sure the voltage of the USB charger fits your local electricity supply.
- The Charging plug may overheat if overcharged. Please stop charging immediately as it may cause damage to the battery.
- Do not leave the battery alone when charging.
- Do not use other chargers other than the one supplied with the unit.
- Recharge the battery 30 minutes after flying, because the battery temperature may be high when flying and charging immediately could harm the battery.
- Do not place the battery in fire.
- Do not short circuit the battery. Do not leave the battery together with tiny metal parts in consideration of safety.

## PARTS NAME



## FUNCTION KEYS & NAME DESCRIPTION

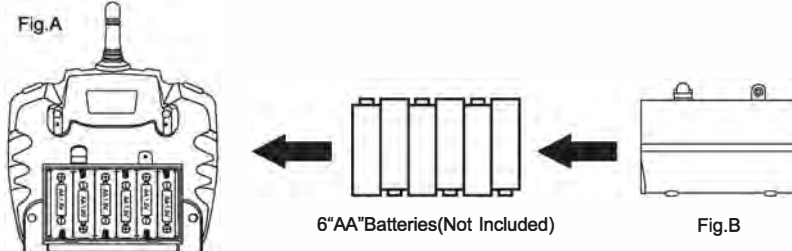


Serial Number	Function keys / Names	Function / Effect
1	Photo/Video	Tap into the camera, long press 3 seconds into the video feature, and then touch the cancellation.
2	GPS switch	Touch to open the GPS function, the remote control will beep; then touched off the GPS function, the remote control will beep twice.
3	Indicator	Light intermittent blinking; wait for 2 seconds, then hear "crop" lamp always impose with a success.
4	Power ON/OFF	Remote controls power, press the remote control power supply is turned on, press off the power.
5	Left stick	Up/down, left/right turn.
6	Right stick	Forward/backward, left/right.
7	Camera angle trim	Move this button up to adjust the camera angle upward. Move this button down to adjust the camera angle downward.

8	Forward/backward trim	In the vehicle to the forward (backward) moves to the backward (forward) light, press this key can make the vehicle stable.
9	Left/ right fly trim	In the vehicle to the left (right) moves to the right (left) light, press this key can make the vehicle stable.
10	One key return	Touch this button to make the aircraft automatically return.
11	Headless mode	Tap into headless mode, the aircraft can operate without a sense of direction, then touch cancel function.
12	High/low speed	Adjust the aircraft left / right / forward / backward / left / right side fly speed.
13	One key take-off/ Landing	Touch this button, the aircraft rises to a certain height, can keep this altitude; then touch the button, the vehicle will slowly descend to the ground.

## CAMERA VERSION REMOTE CONTROL BATTERY INSTALLATION

- Remove the battery cover from the back of controller (Fig. A)
- Install 6 "AA" batteries into the controller, make sure to install batteries to their correct polarity. (Fig. B)  
Do not mix old and new batteries or battery types.
- Replace the battery cover

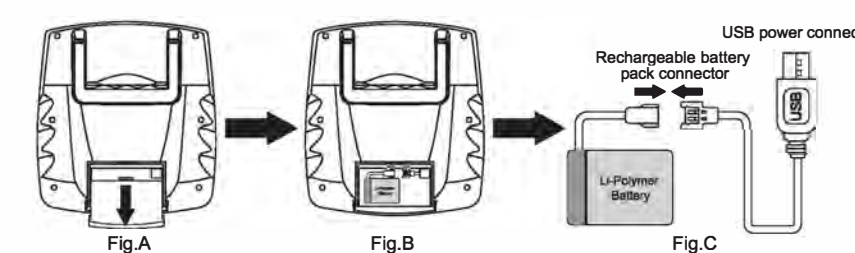


## CAMERA VERSION MANIPULATION TECHNIQUE

Ascending Descending	Push up the throttle stick, and the spinning speed of the main blades will increase. the aircraft begins to ascend. Pull down the throttle stick, and the spinning speed of the main blades will decrease. the aircraft begins to descend.	
Turn right Turn left	Push the rudder stick to the left, and the aircraft will turn to left. Push the rudder stick to the right, and the aircraft will turn to right.	
Forward Backward	When the rudder stick is pushed upward, the aircraft tilts forward and it advances. When the rudder stick is pushed downward, the aircraft will up tilt and it recede.	
Left sideward fly Right sideward fly	When push the right lever (steering rudder) to the right, the aircraft will fly to the right. When push the right lever (steering rudder) to the left, the aircraft will fly to the left.	

## FPV VERSION REMOTE CONTROL BATTERY INSTALLATION

- Open the battery cover on the back of the remote control.(Fig.A)
- Take out the lithium battery from the battery bay.(Fig.B)
- Plug the USB charging cable (Fig.C) to charge the battery.  
When the charge LED lights charging complete LED light turns red, charge about 60-80 minutes.



## FPV VERSION MANIPULATION TECHNIQUE

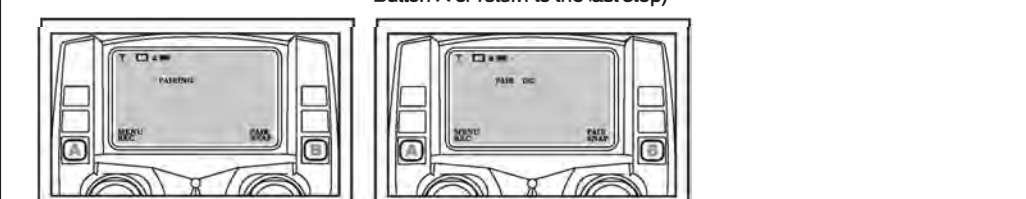
Ascending Descending	Push up the throttle stick, and the spinning speed of the main blades will increase. the aircraft begins to ascend. Pull down the throttle stick, and the spinning speed of the main blades will decrease. the aircraft begins to descend.	
Turn right Turn left	Push the rudder stick to the left, and the aircraft will turn to left. Push the rudder stick to the right, and the aircraft will turn to right.	
Forward Backward	When the rudder stick is pushed upward, the aircraft tilts forward and it advances. When the rudder stick is pushed downward, the aircraft will up tilt and it recede.	
Left sideward fly Right sideward fly	When push the right lever (steering rudder) to the right, the aircraft will fly to the right. When push the right lever (steering rudder) to the left, the aircraft will fly to the left.	

## USED FPV DESCRIPTION

Firstly, insert the SD card. The interface is shown below:



- Short press Button A for video recording (short press again to save the video)
  - Short press Button B and take pictures
  - Long press Button A to enter into the menu (as shown below)
- Short press Button A for up-down switch
  - Short press Button B to enter into the interface
  - Select BRIGHTNESS to adjust the brightness (short press Button A to reduce the brightness and short press Button B to increase it)
  - After entering into the VIEW interface, select switching to the picture or video below (long press Button A or return to the last step)
- Short press Button B to play the video (Then, short press Button A could play the next video; short press Button A could play the previous video.)
  - Long press Button B could select deleting the video; then short press Button B to confirm the deletion. (Long press Button A could return to the last step)



If a blue screen happens when the plane and the remote controller are opened at the same time, please follow the steps below (Turn off the power source of the plane and the remote controller first and open the remote controller first. Long press Button B to enter into the search screen which will show PAIRING....Then open the power source of the plane and finally the plane would be connected with the remote controller)

## COMMON PROBLEM AND SOLUTION INSTRUCTION:

THE PROBLEM	REASON	COUNTERMEASURES
The indication light of the quadcopter is flashing and without reaction when operated.	1.Frequency modulation between the quadcopter and remote control is not operated correctly. 2.Insufficient battery power.	1.Refer to the Preparation for taking off, and re-modulate the frequency. 2.Recharge the battery.
The quadcopter is blades turn around but the quadcopter cannot take off.	1.Insufficient battery power. 2.The blades distorted.	1.Recharge the battery. 2.Replace the blades.
The quadcopter shakes hardly.	The blades distorted.	Replace the blades
The time tuning button are all on but the quadcopter still couldn't keep balance.	1.The blades distorted. 2.The motor doesn't work properly.	1.Replace the blades. 2.Replace the motor.
The quadcopter becomes of control after crashing.	Three-axis acceleration sensor lose it's balance after crashing.	Put the quadcopter on the ground for 5-10 seconds.

## PRECAUTIONS:

- The remote controlled distance will be shorten when the power (aerocraft or transmitter) is insufficient.
- It is difficult to take off or fly not high when aerocraft's power is insufficient.
- When the aerocraft is damaged, please repair it in time and stop operating, or it may lead to injury.
- If you do not use the transmitter for a long time, please remove the batteries to avoid the batteries' leakage.
- Do not drop the transmitter from the high altitude or crash it badly, otherwise, it will shorten the transmitter's using life.