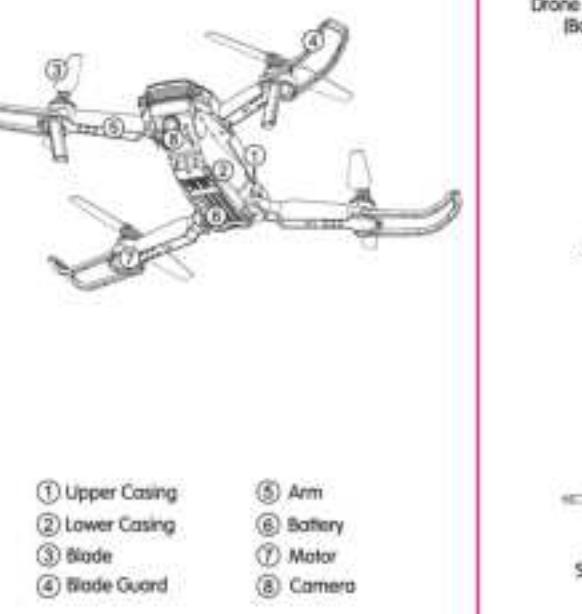# VISTATECH

INSTRUCTION MANUAL

Rechargeable
QUADCOPTER DRONE
User-Friendly & Designed For Beginner
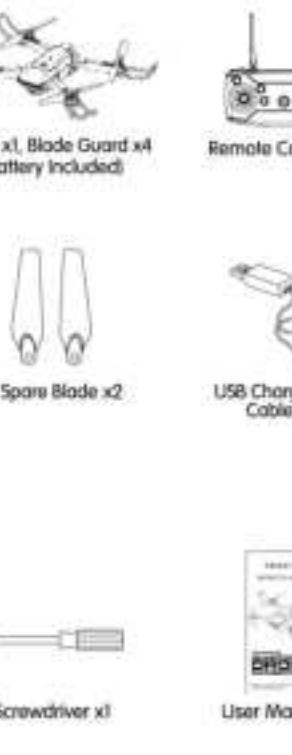
●Please read this manual carefully before operation and keep it properly for future reference.

1

KNOW YOUR DRONE

With 2.4G frequency band for long remote control distance, Drone allows multiple flights at the same time without any interference. User can control it to fly, hover and take photos/videos with APP and WiFi connection on smart phone.

① Upper Casing ⑤ Arm
② Lower Casing ⑥ Battery
③ Blade ⑦ Motor
④ Blade Guard ⑧ Camera

2

ACCESSORIES

Drone x1, Blade Guard x4 (Battery Included)   Remote Control x1

Spare Blade x2   USB Charging x1 Cable

Screwdriver x1   User Manual x1

2

PRE-FLIGHT PREPARATION

1.FLIGHT ENVIRONMENT

Indoor: Spacious spaces away from barriers, crowds or pets are preferred.

Outdoor: Sunny & windless weather are preferred.

Please keep the drone in sight during the flight and keep it away from barriers, high-tension cables, trees and people.

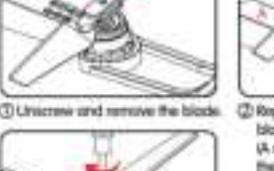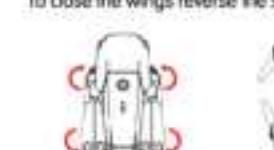Do not fly in extreme weather such as very hot temperature, very cold temperature, strong winds or raining.

3

2.OPEN THE WINGS

OPENING STEPS:
① Open the front armiclose to camera)
② Open the back arm
To close the wings reverse the steps.

Opening arm

3.ASSEMBLING BLADE GUARD

① Align the blade guard with the two holes below. ② Press firmly on the arrow position.

4.REPLACING THE BLADE

① Unscrew and remove the blade. ② Replace with corresponding blade. Note: There is a marking (A or B) on the blade and on the arm.

③ Screw the blade firmly.

4

5.CHARGE THE DRONE

A. Remove the rechargeable battery from the bottom of the drone.

B. Connect the USB charging cable to USB DC 5V power supply and the rechargeable battery.
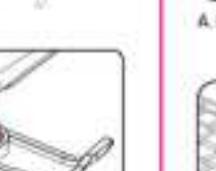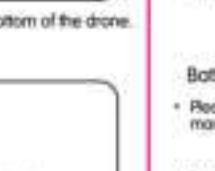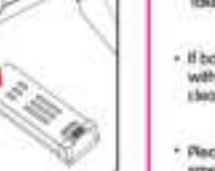
Notes:

Red LED light is on when charging. Red LED light is off when fully charged. Charging time is about 150 minutes. Play time is about 7 minutes.

The red and blue light on the drone will start flashing which indicates the battery is low. The battery needs to be charged fully before operating again.

5

⚠ BATTERY CAUTIONS

• There is a certain risk when using lithium battery. It may cause fire, body injury or property loss. Users must be aware of the risks and take full responsibility of using battery improperly.

• If battery leakage occurs, please avoid contacting your eyes or skin with electrolyte. When in contact, please wash your eyes with clean water and seek medical care immediately.

• Please remove the plug immediately if you sense any peculiar smell, noise or smoke.

Battery Charging

• Please use the original USB charging cable provided from the manufacturer to ensure your safe usage.

• Do not over charge battery. Please unplug the charger once fully charged.

• Do not charge overnight.

• Do not charge the battery next to inflammables, such as carpet, timber floor or wood furniture or on the surface of electro-conductive objects. Please always keep an eye on the battery when charging.

• Do not charge battery when it is hot or warm.

• The charging temperature should be between 32 °F to 104 °F.

Battery Recycling

• Do not dispose the battery as daily rubbish. Please familiarize yourself with the local garbage disposal method and dispose it according to the special requirement.

6

KNOW YOUR REMOTE CONTROL

1.Parts of remote control

① Antenna ⑧ Forward fine-tuning
② Left side fly fine-tuning ⑨ Right joystick
③ Left joystick ⑩ Right side fly fine-tuning
④ One-key take off ⑪ Headless mode
⑤ One-key landing ⑫ High/low speed
⑥ Power ON/OFF button ⑬ One-key 360° flip & roll
⑦ Backward fine-tuning ⑭ One-key calibration

7

REPLACING BATTERY OF THE REMOTE CONTROL

① Open the remote control battery cover

3 AA batteries

Open the battery cover and insert the 3 AA batteries correctly according to the electrode instructions (Batteries not included)

Notes:

1.Make sure the battery are loaded correctly according to the polarity instruction.
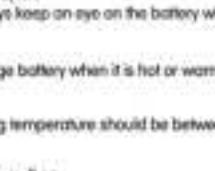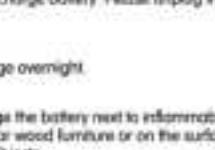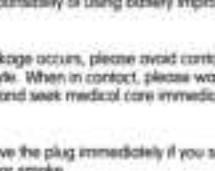2.Please do not mix old and new batteries together.
3.Please do not mix different types of batteries together.

8

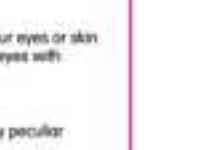## PAIRING THE REMOTE CONTROL AND THE DRONE

① Press the ON/OFF button on the drone for 2 seconds to turn on the drone. The indicator light on the drone will start flashing. Place it on a flat surface.
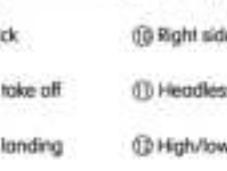
② Press the ON/OFF button on the remote control. The indicator light on the remote control will start flashing. Push left joystick totally up and then push totally down. Both LED indicator light on the drone and remote control will turn to steady if pairing is success.

CALIBRATION

Press the one-key calibration button when the drone fails to take off vertically. The indicator on the drone will start flashing when calibration. Turn to steady after finish. The drone must be place on horizontal flat surface when calibration.

9

START YOUR FLIGHT

1. One-key take off

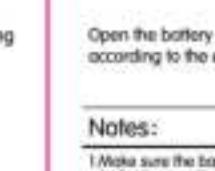Press the One-key take off button, the drone will fly to about 5 feet height.

2. Basic Flight

Use left joystick to control the flight altitude and turn left / right. Right joystick to control the forward, backward, left and right side flight directions.
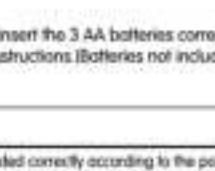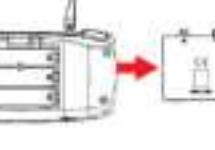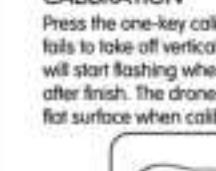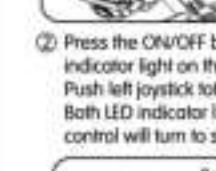
Left joystick

Ascant
Descent
Turn Left
Turn Right

10

Right joystick

Forward
Backward
Left Side Flight
Right Side Flight

360° Flip & Roll

Make sure the drone is reaching over 9.8 feet height. Press 360° Flip & Roll button and move the right joystick to left or right direction. The drone will rotate in that direction.

Right joystick

Flip to left
Flip to right

11

Headless Mode

The flight direction of the drone is subjected to the direction of the remote control.

1. The drone is defaulted as common mode when connected with the remote control. Press the headless button, the remote control will beep sound once. The indicator light on the drone will flashing when success in headless mode. Press again with beep sound to exit the headless mode. The indicator light on the drone turn steady.

2. In the headless mode, there is no identify of the nose direction. Control the drone according to operate the lever of remote control.
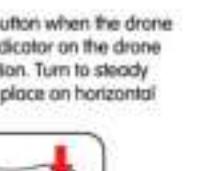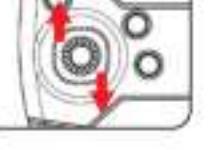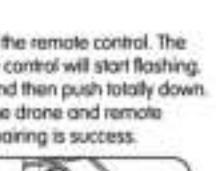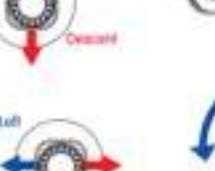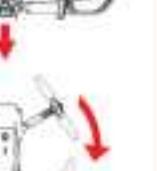
Hover

When you release the left joystick after the ascent / descent action, the drone will hover at a certain height.

Left joystick

12

TRIMMING FUNCTION

When deviating from course, you can fine tuning for calibration until the drone is back to normal.

① Forward/Backward Fine-tuning
② Left/Right Side Fly Fine-tuning

If the drone drifts forward, press the backward fine-tuning button repeatedly, until the drifting is gone.
If it drifts backward, press the forward fine-tuning button forward repeatedly, until the drifting stops.
If the drone drifts right, press the left side fly fine-tuning button repeatedly, and the opposite if it drifts left. Do this until you are satisfied how the drone hovers.

① Forward/Backward Fine-tuning
② Left/Right Side Fly Fine-tuning

Notes:

When the drone is flight less than 11.8 inch height from the ground, it will be affected by the blade vortex made by itself and become unstable. This is "ground effect". The lower the drone is, the greater the effect will be.

13

FAQ

PROBLEMS	CAUSES	SOLUTIONS
	Rechargeable battery not in place.	Check and put back the rechargeable battery correctly.
Control failure	Too strong wind force.	Do not fly in windy days. The performance and the control of the drone will be affected by the strong wind.
Fail to ascend	The rotation speed of main blades is too slow.	Push up the left joystick.
	Low battery.	Please charge the battery.
Landing too soon	Left joystick pull down too fast.	Left joystick pull down slowly.
Out of control	Beyond the effective controlling distance.	Ensure operation within the controllable distance. Remote control: within 164 feet WiFi control: within 98 feet

14

USE WITH SMART DEVICE (NOT INCLUDED)

1. TO INSTALL THE APP IN YOUR SMART DEVICE

Scan the corresponding QR code to download and install the APP IHFun_Pro).

HFun_Pro
SHENZHEN TIH ELECTRONICS CO., LTD

iOS / Android

2. CONNECT THE DRONE AND SMART DEVICE USING WIFI

Turn the drone on. While red flashing light is on, turn on the WIFI function in your smart device and select the name "WIFI_FRH_XXX" in the list to make the connection. After connected, open the "HFun_Pro" app.
Press "START" in the app. The indicator light on the drone will turn steady after success. The smart device screen will start streaming video with the drone.

* Please turn off the drone and WiFi function on your smart device. Make sure the app on your smart device is closed completely. Redo the above step if connection is not success.
* Control distance and the live streaming video will depend on the WiFi quality of your smart device.

15

---

3. MAIN INTERFACE INSTRUCTIONS

Start

① START
- To enter the flight interface
② ? (HELP)
- Quick start guide and list of icon function

16

---

4. INTERFACE OPERATION INSTRUCTIONS

① Return
Return to main interface
② Take Photo
Press to take photo
③ Record Video
Press to start video recording, press again to stop
④ Media
Enter the photo or video library.
Press return icon to exit.
⑤ Speed Level
To switch the speed of the drone between 30% / 60% / 100%
⑥ Gesture Recognition
Press to turn on gesture to take photo or video record function. Press again to turn off.

TAKE PHOTO   VIDEO RECORD

Correct gesture   Correct gesture
Distance about 3.3 feet   Distance about 1.6 ~ 1.9 feet

17

---

⑦ Gravity Control
To control the drone forward / backward / left side flight / right side flight by controlling the gravity of the smart device.
Note: It may not work with some old version or without gravity sensor smart devices.
⑧ Switch
Turn off / on the screen left and right joystick.
⑨ Extra Settings
Open / close the extra function menu.
⑩ Camera Flip
Flip the camera screen upside down on the smart device.
⑪ VR Mode
Provide VR screen for your 3D virtual reality headset (not included).
⑫ Headless
Turn on / off headless mode.
⑬ Gyro Calibrate
Calibration of the drone.
⑭ Take Off
One key take off.
⑮ Emergency Stop
Press for the emergency stop.
⑯ Landing
One key landing.
⑰ Speech Recognition
Voice recognition: take off / landing / forward / backward / left / right.
⑱ 360° Roll
Press 360° roll and drag left joystick to left or right to 360° flip and roll.
⑲ Marking Flight
Draw a path on the smart device screen. The drone will follow the path to flight.

18

---

⑳ Throttle
Ascent or descent of the drone.
㉑㉒ Left / Right Roll
Turn left or right of the drone.
㉓㉔ Forward / Backward
Move forward or backward of the drone.
㉕㉖ Left / Right
Move left or right of the drone.
㉗㉘ Forward / Backward Trim
Fine tune forward or backward.
㉙㉚ Left / Right Roll Trim
Fine tune left / right roll.
㉛㉜ Left / Right Trim
Fine tune left / right.

19

20

USE WITH REMOTE CONTROL AND STREAMING VIDEO ON THE SMART PHONE

1. Turn on the drone and remote control.
2. Pairing the remote control with the drone.
3. Connect the smart device to the drone.
4. Open the app and play.

Note: When the drone is connected to the remote control and the smart device, it cannot be flown using the smart device. Only other functions like recording videos and taking photos can be done via the smart device.

HOLD THE SMART DEVICE ON THE REMOTE CONTROL

Pull out the remote control bottom bracket, clamp the smart device.

Pull out

VISTATECH

21   Printed in China

FCC Caution:

Any 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.

IMPORTANT NOTE:

Note: 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 dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.   (For:2.4G RC DRONE WITH 0.3MP WIFI CAMERA)

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.   (For:2.4G RC DRONE WITH 0.3MP WIFI CAMERA-Remote Control)