

# VISTATECH

## INSTRUCTION MANUAL



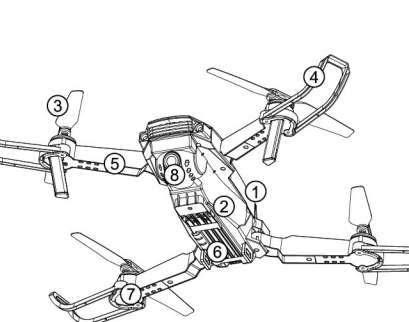
### Rechargeable QUADCOPTER DRONE

User-Friendly & Designed For Beginner

\*Please read this manual carefully before operation and keep it properly for future reference.

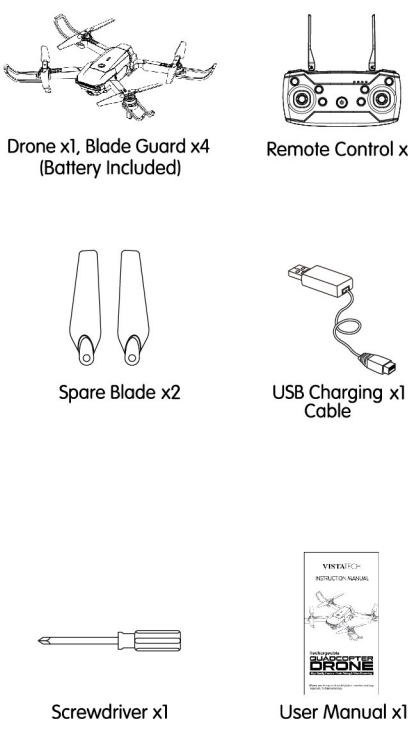
### KNOW YOUR DRONE

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.



- Upper Casing
- Lower Casing
- Blade
- Blade Guard
- Arm
- Battery
- Motor
- Camera

### ACCESSORIES



### 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.

#### 2. OPEN THE WINGS

OPENING STEPS:

- Open the front arm (close to camera)
- Open the back arm

To close the wings reverse the steps.

#### 3. ASSEMBLING BLADE GUARD

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

#### 4. REPLACING THE BLADE

- Unscrew and remove the blade.
- Replace with corresponding blade. Note: there is a marking (A or B) on the blade and on the arm.
- Screw the blade firmly.

#### 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.

### 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.

#### 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.

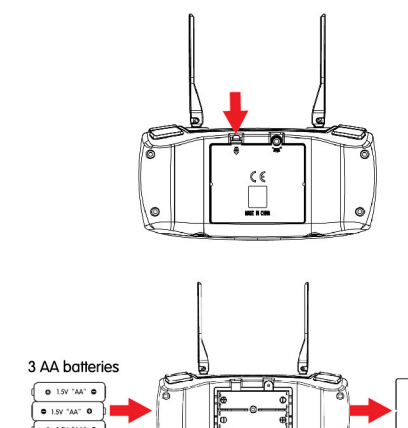
### KNOW YOUR REMOTE CONTROL

#### 1. Parts of remote control

- Antenna
- Left side fly fine-tuning
- Left joystick
- One-key take off
- One-key landing
- Power ON/OFF button
- Backward fine-tuning
- Forward fine-tuning
- Right joystick
- Right side fly fine-tuning
- Headless mode
- High/low speed
- One-key 360° flip & roll
- One-key calibration

### REPLACING BATTERY OF THE REMOTE CONTROL

① Open the remote control battery cover



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

Notes:

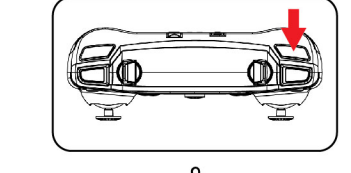
- Make sure the battery are loaded correctly according to the polarity indications on the battery compartment.
- Please do not mix old and new batteries together.
- Please do not mix different types of batteries together.

### PAIRING THE REMOTE CONTROL AND THE DRONE

- 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.
- 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.



### START YOUR FLIGHT

#### 1. One-key take off

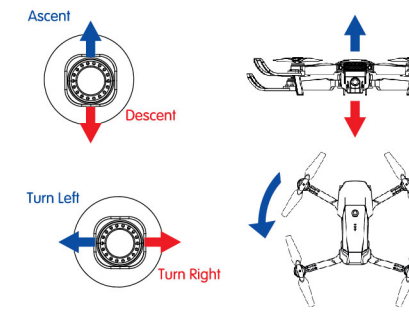
Press the One-key take off button, the drone will fly to about 5 feet height.

#### 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.

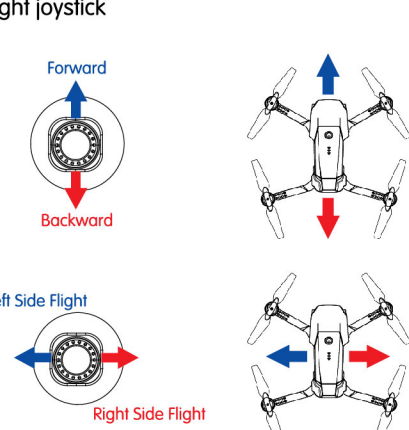
#### Left joystick

Ascend (up arrow), Descent (down arrow), Turn Left (left arrow), Turn Right (right arrow)



### Right joystick

Forward (up arrow), Backward (down arrow), Left Side Flight (left arrow), Right Side Flight (right arrow)

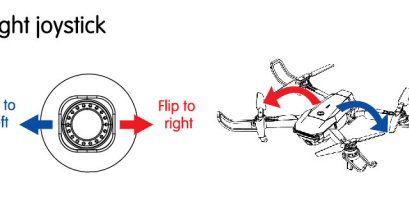


### 360° Flip & Roll

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 (left arrow), Flip to right (right arrow)



### Headless Mode

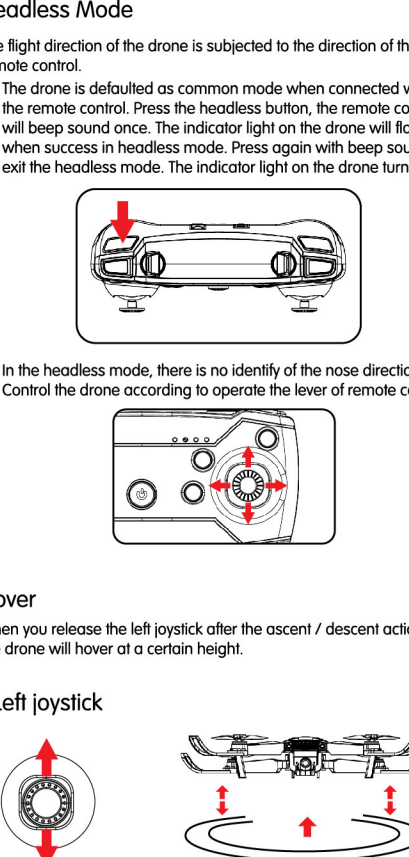
The flight direction of the drone is subjected to the direction of the remote control.

- 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.
- 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.

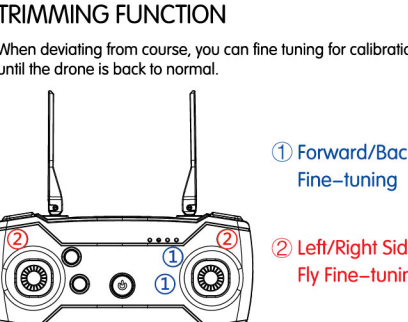
### Left joystick



### TRIMMING FUNCTION

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

- Forward/Backward Fine-tuning
- 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.

#### 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.

### FAQ

PROBLEMS	CAUSES	SOLUTIONS
Control failure	Rechargeable Battery not in place.	Check and put back the rechargeable battery correctly.
	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

### 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 (HFun\_Pro).



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\_XXXX" in the list to make the connection. After connected, open the "HFun\_Pro" app. Press "START" in program. 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.


### 3. MAIN INTERFACE INSTRUCTIONS



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

### 4. INTERFACE OPERATION INSTRUCTIONS


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



TAKE PHOTO: Correct gesture, Distance about 3.2 feet

VIDEO RECORD: Correct gesture, Distance about 1.6 - 1.9 feet

- 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.
- Switch - Turn off / on the screen left and right joystick.
- Extra Settings - Open / close the extra function menu.
- Camera Flip - Flip the camera screen upside down on the smart device.
- VR Mode - Provide VR screen for your 3D virtual reality headset (not included).
- Headless - Turn on / off headless mode.
- Gyro Calibrate - Calibration of the drone.
- Take Off - One key take off.
- Emergency Stop - Press for the emergency stop.
- Landing - One key landing.
- Speech Recognition - Voice recognition: take off / landing / forward / backward / left / right.
- 360° Roll - Press 360° roll and drag left joystick to left or right to 360° flip and roll.
- Marking Flight - Draw a path on the smart device screen. The drone will follow the path to flight.



- Throttle - Ascend or descent of the drone.
- Left / Right Roll - Turn left or right of the drone.
- Forward / Backward - Move forward or backward of the drone.
- Left / Right - Move left or right of the drone.
- Forward / Backward Trim - Fine tune forward or backward.
- Left / Right Roll Trim - Fine tune left / right roll.
- Left / Right Trim - Fine tune left / right.

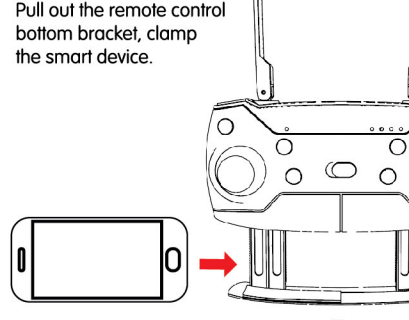
### USE WITH REMOTE CONTROL AND STREAMING VIDEO ON THE SMART PHONE

- Turn on the drone and remote control.
- Pairing the remote control with the drone.
- Connect the smart device to the drone.
- 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.



# 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)