Flying Precautions

1. Keep small parts out of the reach of children, to avoid choking hazard.
2. The **DRONE** is powerful, when taking off, move the throttle stick foreard gradually, to avoid it's rising too fast.
3. After flight, turn off the **DRONE** first, then turn off the controller.
4. Do not put the battery in high temperature or near heat source
5. Note, to avoid injury or damage, the **DRONE** should not beflown nearer than 2 meters / 7 feet from people or other obstacles.
6. Children should fly the **DRONE** under adult supervision only. Always keep the **DRONE** inclear sight while flying.
7. Always turn off the power of the controller and **DRONE** when not in use.
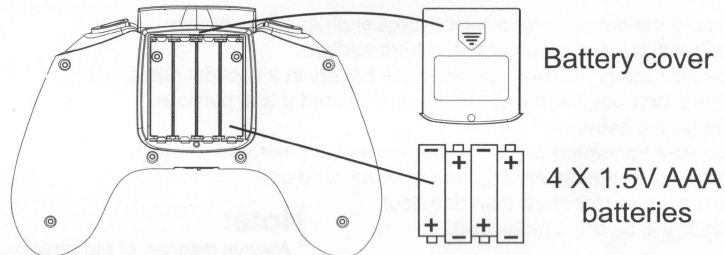
Battery Protection

1. The **DRONE** is equipped with low-voltage protection: When it's battery is low, the programmed control system will stop electrical supply to **DRONE** 's rotors. The battery then needs charging to allow the **DRONE** to fly again.

Maintenance

1. Clean the **DRONE** with clean, dry soft cloth only.
2. To avoid irreparable damage, keep the **DRONE** dry and away from water. Do not fly in rainy conditions.
3. Check the **DRONE** and accessories for damage. If damage is found, do not use the **DRONE** until it is repaired.

Battery Installation & Charging

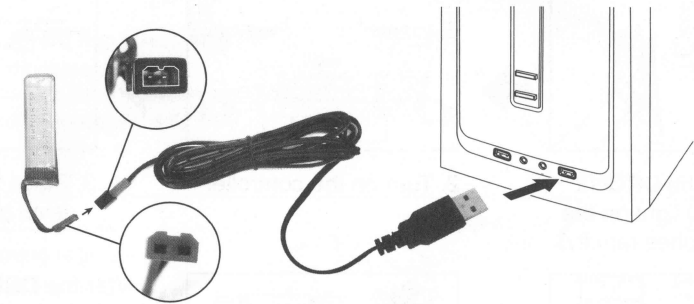### Controller

Battery cover

4 X 1.5V AAA batteries

1. **To install batteries:** Open the cover of battery case, insert 4 X 1.5V AAA batteries, according to indicated polarity (batteries not included).
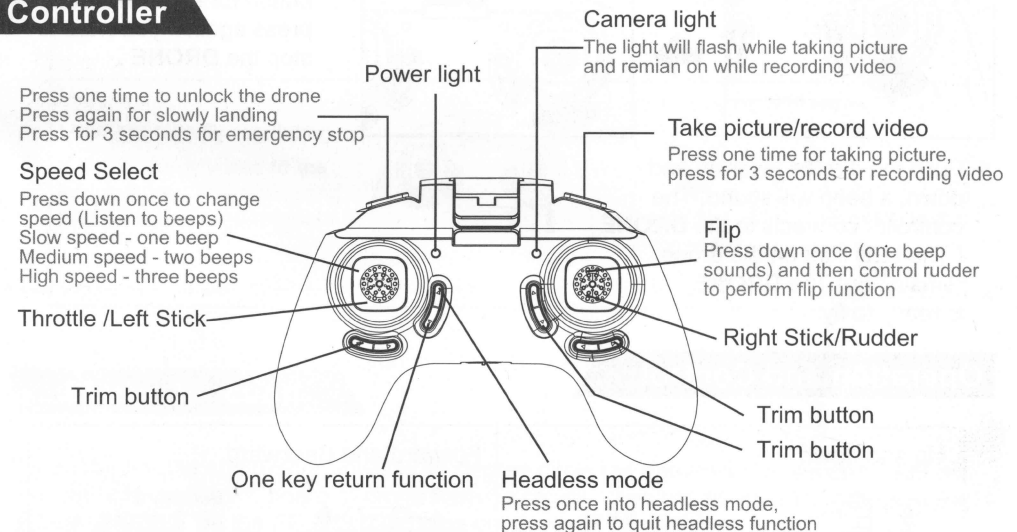
   Battery installation should be done under adult supervision only!
   Do not mix old and new batteries.
   Do not mix different types of batteries.

Charging

1. Insert one side of the USB connector into the battery, and the other side into any computer USB port.
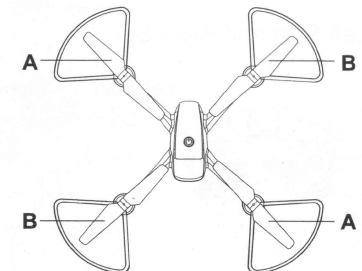

Controller

Power light

Camera light
The light will flash while taking picture and remian on while recording video

Press one time to unlock the drone
Press again for slowly landing
Press for 3 seconds for emergency stop

Take picture/record video
Press one time for taking picture, press for 3 seconds for recording video

Speed Select
Press down once to change speed (Listen to beeps)
Slow speed - one beep
Medium speed - two beeps
High speed - three beeps

Flip
Press down once (one beep sounds) and then control rudder to perform flip function

Throttle /Left Stick

Right Stick/Rudder

Trim button

Trim button

Trim button

One key return function

Headless mode
Press once into headless mode, press again to quit headless function
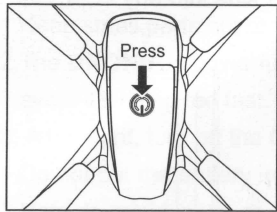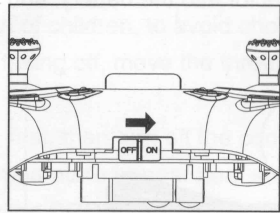
Drone

Replacing Damaged blades:
Your set will come with 4 replacement rotors, two (A) type and two (B) type. You will see the "A" and "B" word on the canopy, put the rotor on the motor accordingly.
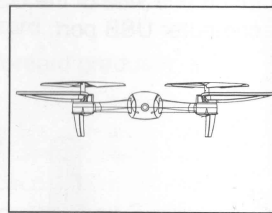

A
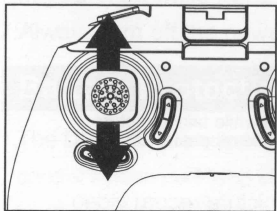
B

B

A

Operating steps

1. Turn on the **DRONE**
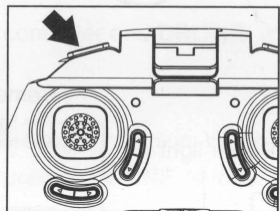(The LED light on the drone flashes rapidly)

2. Turn on the controller
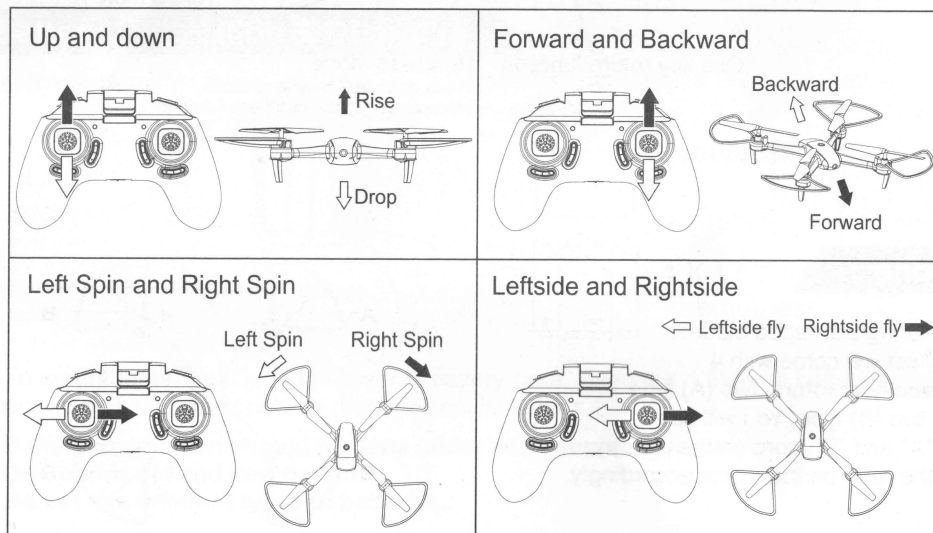
3. Place the **DRONE** at a level position.

4. Push the throttle lever up and down, a beep will sound. The controller connects to the **DRONE** (The LED light on the drone remains on).The **DRONE** is ready to fly.

5. After the **DRONE** connect to the controller, press this button for start flying, and press again if you want to stop the **DRONE** .
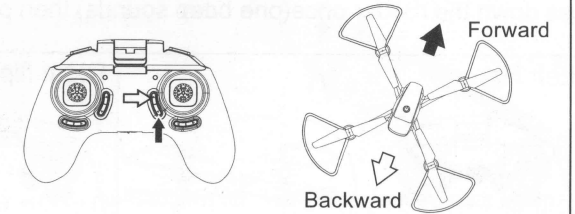
Operation and Control

Up and down

↑ Rise

⇩ Drop

Forward and Backward

Backward

Forward

Left Spin and Right Spin

Left Spin   Right Spin

Leftside and Rightside

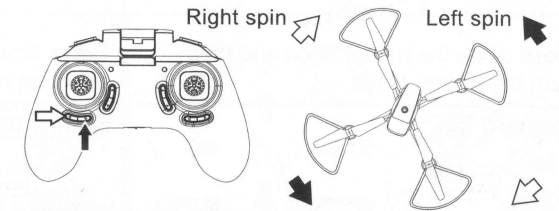⇦ Leftside fly   Rightside fly ➡

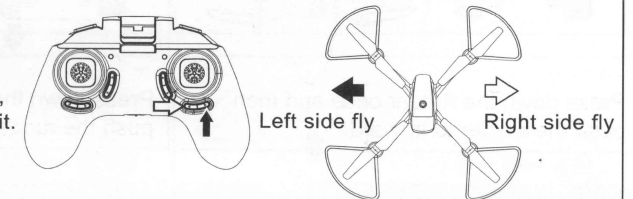Note: When the drone is flying towards you, the control directions are reversed.

Trim fine tuning

Forward/backward regulating
If the drone deviates to the forward/backward when hovering, press the button to regulate it.

Forward

Backward

Left/right turning regulating
If the drone deviates to the left/right turn when hovering, press the button to regulate it.

Right spin   Left spin
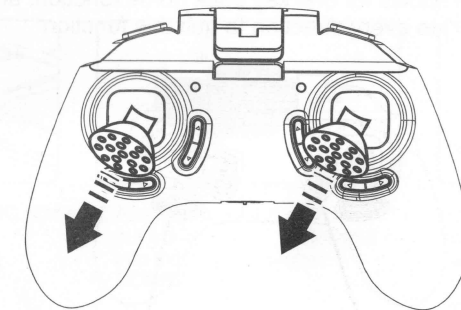
Left/right side fly regulating
If the drone deviates to the left/right side when hovering, press the button to regulate it.
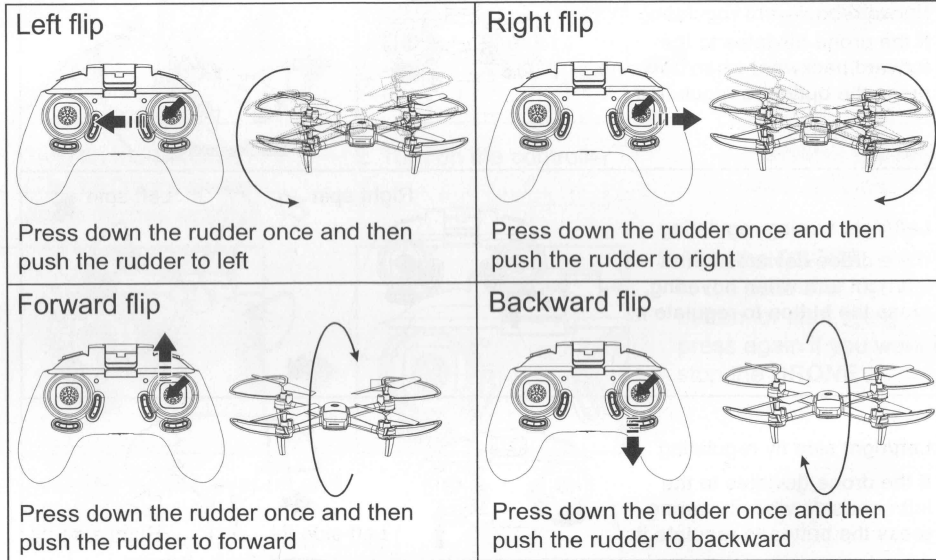
Left side fly   Right side fly

Auto trim function

Press the throttle and rudder down to 45 degree circle (as above) for 10 second, you will see the light on the PC board of drone flashing rapidly, then pls let go the throttle and rudder, the light on the PC board remains on, the auto trim finishes.

Radical Flips & Rolls

You can perform flips with your **DRONE** in any of the speed settings.
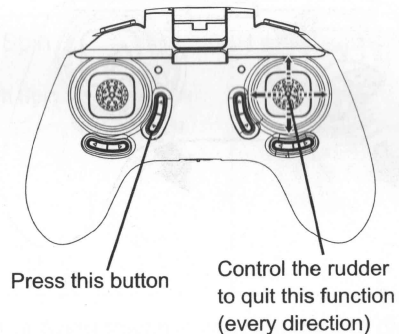Press down the rudder once(one beep sounds) then push the rudder in related direction.

Left flip	Right flip
Press down the rudder once and then push the rudder to left	Press down the rudder once and then push the rudder to right
Forward flip	Backward flip
Press down the rudder once and then push the rudder to forward	Press down the rudder once and then push the rudder to backward

⚠️ Before you perform a Flip Trick, always make sure you have enough space both above and below your DRONE . .

One key return function

When the drone is taking off, the LED light on the drone stop flashing, at the moment, the drone sets its front side to be the front direction for one key return flying.If you want to reset the front direction, then you need to turn off the rc drone and reset it again.
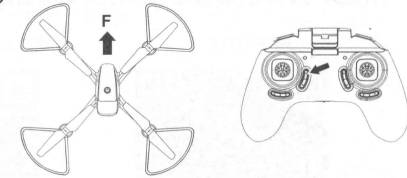
Press the button as picture shows for one key back home function, and then control right sticker (Rudder) to every direction to quit this function.

Press this button

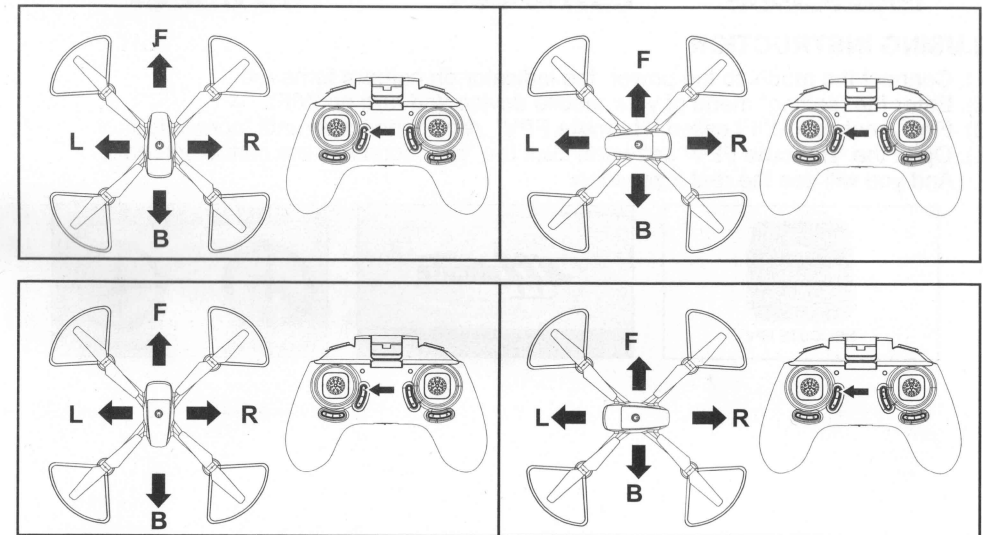Control the rudder to quit this function (every direction)

Headless function:

HOW TO GET INTO/QUIT HEADLESS FUNCTION FLYING?
Press the headless key, you'll hear bip sound from the controller and the light on the drone will flash. In this mode the camera's shooting direction will be the front side of the drone. Press the key to get out of the mode and bip sound from the controller will heard, light on the drone will remain on.
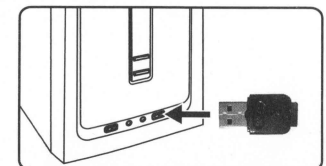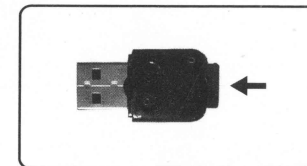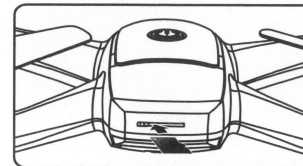
If you want to reset the front direction, then you need to turn off the rc drone and reset it again.

Normal camera:

VGA camera(Resolution: 640*480)   \720P camera (Resolution: 1280*720)
HOW TO REVIEWING PHOTOS/VIDEOS

1. Insert the TF card into RC drone.

2.After flying, take the TF card out from camera and insert it into the TF card reader CORRECTLY.

3.Insert the TF card reader into the computer, open " my computer" and you will find related file from which you can view photos and videos you took.

Wifi camera:

1.SOFTWARE DOWNLOAD AND INSTALLATION
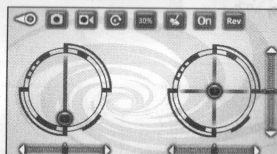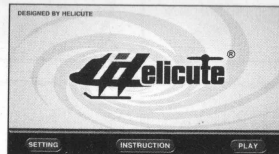
APP (IOS)	APK (Android/ Oversea)	APK (Android/ Mainland China)

2.USING INSTRUCTION

1). Connect the model to the power, the indicator on camera turns red.
2). Enter the "setting" menu of your mobile device and turn on WIFI.
3). Find a network WIFI called "**Helicute FPV**" ,click connection until "connected".
4). Open the "**Helicute FPV**" software, click the "play" icon into the control interface.
    And you will see the real time video.

HELICUTE FPV

P|PETREL
Long time flight quadcopter

HIGH PERFORMANCE UFO FOR RC ENTHUSIASTS
FLIGHT MANUAL

About **28** mins
MAX FLIGHT TIME

USED FOR H828H, H828HC, H828HW

Battery requirements for transmitter:
4 X 1.5V "AAA" size batteries (not included)
DRONE is equipped with a Li-Poly rechargeable battery,
please also pay attention to the following safety precautions:

* Don't use or leave the battery near a heat source such as fire or heater.
* Don't strike or throw the battery against any hard surface.
* Don't immerse the battery in water, and keep the battery in a cool dry place.
* When recharging, only use the battery charger intended for that purpose.
* Don't over-charge the battery.
* Don't directly solder the battery or pierce it with a nail or other sharp object.
* Don't transport or store the battery together with metal objects.
* Never charge the battery for more than one hour
* Never leave charging battery unattended.

Note:
* Always dispose of old batteries responsibly

Safety Precautions

• Please read through the manual's before using.
• Please store small parts in a place well out of the reach of small children.
• Never leave the DRONE unattended during battery charging.
• Never throw any batteries in a fire.
• Never fly the DRONE near other people.
• Keep all body parts away from the copter while the rotor blades are spinning.
• Never try to repair circuitry, there are no serviceable electronic inside the
  DRONE or transmitter.