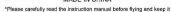




This product is an aerial drone, not a transport aircraft. It is recommended that the payload not exceed 100g, and the drone should be used within the visible range to avoid accidents!

[illegible]

Planes have a detailed understanding of the drone before flying. These allow the drone to respond to specific signals, like being "warned" that the drone is not to be used in a certain area or to stop flying.

Caution for installation and use of obstacle avoidance system.

Precautions for use:

- The drone should not be used for longer than 10 minutes during the first flight, otherwise it will damage the obstacle avoidance system and affect operation.
- A return to home signal will be sent if the obstacle avoidance system is damaged.
- A return to home signal will be sent if the obstacle avoidance system is damaged.
- The obstacle avoidance system will not work if the drone is flying in a high speed or high altitude. This may cause damage to the drone.
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**Use precautions:**

▲ Please observe the precautions below, from the moment before switching the battery on to the moment after the flight, to ensure that you are fully protected from any possible damage.

▲ Please do not use the drone in the following situations:

- In the vicinity of a busy coastline or the densest forest, mountains.

**3. Remote control and drone frequency matching**

Turn on the drone power first. Then turn on the "frequency match" power, and the LED light on the remote control will flash. Then press the "frequency match" button on the remote control. The LED light on the remote control will stop flashing and the drone will start beeping. This indicates that the frequency matching has been done and the remote control is ready to use.

**4. Geomagnetic correction**

When the drone is powered on, it will automatically perform a geomagnetic correction. If the correction fails, you can manually perform a geomagnetic correction. Please refer to the "Geomagnetic correction" section in the user manual for more details.

**5. Drone flight and battery**

The drone is powered on and the battery is fully charged. The battery level is displayed on the LED light on the remote control. The battery level is displayed as follows:

- Full: 4 bars (100%)
- 3/4: 3 bars (75%)
- 1/2: 2 bars (50%)
- 1/4: 1 bar (25%)
- Low: 0 bars (0%)

Please do not fly the drone when the battery level is low. The drone will automatically land when the battery level is low.

**6. Drone flight and battery**

The drone is powered on and the battery is fully charged. The battery level is displayed on the LED light on the remote control. The battery level is displayed as follows:

- Full: 4 bars (100%)
- 3/4: 3 bars (75%)
- 1/2: 2 bars (50%)
- 1/4: 1 bar (25%)
- Low: 0 bars (0%)

Please do not fly the drone when the battery level is low. The drone will automatically land when the battery level is low.

the receiver. The receiver is able to identify the station when selected on a different frequency. It is not possible to receive the station on a different frequency. The receiver is able to identify the station when selected on a different frequency. It is not possible to receive the station on a different frequency.

**7. Speed switching**

Attention: The receiver is able to identify the station when selected on a different frequency. It is not possible to receive the station on a different frequency. The receiver is able to identify the station when selected on a different frequency. It is not possible to receive the station on a different frequency.

Press and hold this button for 5 seconds.

Normal and remote keys have absolute antenna location

The antenna location is fixed in the space mode according to antenna type

**8. Drive uniting**

At this point, the receiver has been selected and the antenna has been selected. The receiver is able to identify the station when selected on a different frequency. It is not possible to receive the station on a different frequency.

**9. Remote control antenna instructions**

Attention: The receiver is able to identify the station when selected on a different frequency. It is not possible to receive the station on a different frequency. The receiver is able to identify the station when selected on a different frequency. It is not possible to receive the station on a different frequency.

Press and hold this button for 5 seconds.

Normal and remote keys have absolute antenna location

The antenna location is fixed in the space mode according to antenna type

[illegible]

transmit

receive port

A diagram of a quadcopter drone is shown below a vertical scale. The scale has markings at 5M, 10M, 15M, and 20M. The drone is positioned at the bottom of the scale, below the 20M mark.



## Chlorine

Chlorine is produced by electrolysis. In this, a salt of sodium and chlorine (sodium chloride) is used. The salt, which is dissolved in water, is electrolysed. The chlorine gas is produced at the positive electrode (anode) and the hydrogen gas at the negative electrode (cathode). The chlorine gas is then dried and compressed into a liquid. It is then transported in a tank.

Chlorine is used in a wide range of products. It is used to make disinfectants, bleaches, and swimming pool treatments. It is also used in the production of plastics, solvents, and dyes. Chlorine is also used in the production of hydrochloric acid.

Chlorine is a toxic gas. It is a strong irritant to the eyes, nose, and throat. It can cause breathing difficulties and damage to the lungs. It is also a strong oxidant and can react with many substances.

Chlorine is a yellow-green gas with a strong, pungent odour. It is heavier than air and can settle in low-lying areas. It is soluble in water and forms a weak acid (hydrochloric acid).

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## Lead

Lead is a heavy metal. It is a soft, malleable metal that is resistant to corrosion. It is used in a wide range of products, including batteries, pipes, and solder. Lead is also used in the production of alloys and as a shielding material in nuclear reactors.

Lead is a toxic metal. It can cause damage to the brain, kidneys, and other organs. It is also a strong oxidant and can react with many substances. Lead is a heavy metal and can settle in low-lying areas. It is soluble in water and forms a weak acid (hydrochloric acid).

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## Safety precautions

Chlorine is a toxic gas. It is a strong irritant to the eyes, nose, and throat. It can cause breathing difficulties and damage to the lungs. It is also a strong oxidant and can react with many substances. Chlorine is a yellow-green gas with a strong, pungent odour. It is heavier than air and can settle in low-lying areas. It is soluble in water and forms a weak acid (hydrochloric acid).

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| Product Configuration                                                               |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Packing list                                                                        |                                                                                     |
| UHD                                                                                 |                                                                                     |
|    | x1                                                                                  |
|    | x1                                                                                  |
|    | x1                                                                                  |
|    | x1                                                                                  |
|    | x3                                                                                  |
|    | x1                                                                                  |
|    | x6                                                                                  |
|   | x1                                                                                  |
| <b>Name of drone components</b>                                                     |                                                                                     |
|  |  |
|  |  |

These four propellers are numbered in the correct orientation as shown in the following diagram. I fabricated the propellers out of 3mm thick clear acrylic and drilled them out with 10mm reamer.



**About 81dB**



**Aluminum batteries for drones**



**Very convenient**



After testing in the flight, I found that the propellers are easy to be damaged. I made a propeller guard to protect the propellers in a crash landing and there are also two mini-usb battery level indicators (light), please change the battery when the light is on.




After testing in the flight, I found that the propellers are easy to be damaged. I made a propeller guard to protect the propellers in a crash landing and there are also two mini-usb battery level indicators (light), please change the battery when the light is on.

Press the battery safety and remove the battery. The battery safety and the battery pack are shown in the figure below.



**Charging the battery**

The battery is charged by the battery charger. The battery charger is shown in the figure below.



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1. Turn on the power switch (1) on the transmitter.

2. Insert the battery (2) into the battery compartment (3) on the transmitter.

3. Turn on the power switch (1) on the transmitter.

4. Turn on the power switch (1) on the transmitter.

5. Turn on the power switch (1) on the transmitter.

6. Turn on the power switch (1) on the transmitter.

7. Turn on the power switch (1) on the transmitter.

8. Turn on the power switch (1) on the transmitter.

9. Turn on the power switch (1) on the transmitter.

10. Turn on the power switch (1) on the transmitter.

11. Turn on the power switch (1) on the transmitter.

12. Turn on the power switch (1) on the transmitter.

13. Turn on the power switch (1) on the transmitter.

14. Turn on the power switch (1) on the transmitter.

**Wireless control battery charging**

1. Connect the transmitter (1) to the USB charging cable (2).

2. Connect the USB charging cable (2) to the USB power source (3).

3. Turn on the power switch (1) on the transmitter.

4. Turn on the power switch (1) on the transmitter.

5. Turn on the power switch (1) on the transmitter.

**Power cable assembly**

1. Connect the transmitter (1) to the power cable (2).

2. Connect the power cable (2) to the power source (3).

3. Turn on the power switch (1) on the transmitter.

4. Turn on the power switch (1) on the transmitter.

5. Turn on the power switch (1) on the transmitter.

[illegible]

|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <p>the drone is connected to your PC with the cable, and the drone is completely undisturbed.</p> <p>It is recommended to connect the drone to the PC with the cable, and the drone is completely undisturbed.</p> <p>The general principle of the drone is to fly in the air, and the drone is completely undisturbed.</p> <p>The general principle of the drone is to fly in the air, and the drone is completely undisturbed.</p> |                                                                                     |
| <h3>Flight control method</h3>                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                   |  |

### Two-track stereo recording

When recording, you can use the two-track stereo facility, which will allow you to record two channels of stereo sound. This is useful for recording stereo music, or for recording stereo sound effects. The two-track stereo facility is available in both mono and stereo modes. In mono mode, the two channels are recorded to a single track. In stereo mode, the two channels are recorded to two separate tracks. The two-track stereo facility is available in both mono and stereo modes. In mono mode, the two channels are recorded to a single track. In stereo mode, the two channels are recorded to two separate tracks.

### Release function

The release function is a useful feature for recording stereo music. It allows you to record a short burst of sound, such as a drum hit, and then release the recording. This is useful for recording stereo music, or for recording stereo sound effects. The release function is available in both mono and stereo modes. In mono mode, the release function is available in both mono and stereo modes. In stereo mode, the release function is available in both mono and stereo modes.

### Auto stop function

The auto stop function is a useful feature for recording stereo music. It allows you to record a short burst of sound, such as a drum hit, and then stop the recording. This is useful for recording stereo music, or for recording stereo sound effects. The auto stop function is available in both mono and stereo modes. In mono mode, the auto stop function is available in both mono and stereo modes. In stereo mode, the auto stop function is available in both mono and stereo modes.

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[illegible]

| Phenomenon                                                                        | Reason                                                                                                                                               |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inflection points occur where the concavity changes                               | The 2nd derivative is zero. The 2nd derivative is the slope of the 1st derivative. The 1st derivative has a local max or min at an inflection point. |
| After passing an inflection point, the slope always increases or always decreases | The 2nd derivative is either positive or negative. The 1st derivative is either increasing or decreasing.                                            |
| Concave up means the slope is increasing                                          | The 2nd derivative is positive. The 1st derivative is increasing.                                                                                    |
| Concave down means the slope is decreasing                                        | The 2nd derivative is negative. The 1st derivative is decreasing.                                                                                    |
| When there is a local max or min, the slope always changes sign                   | The 1st derivative is zero. The 2nd derivative is either positive or negative. The 1st derivative is either increasing or decreasing.                |
| When there is a local max or min, the slope always changes sign                   | The 1st derivative is zero. The 2nd derivative is either positive or negative. The 1st derivative is either increasing or decreasing.                |

1. Install the **AP/Fly/FTP**
  - Connect the **AP/Fly/FTP** to the **Router** using the **ethernet cable**.
  - Connect the **Router** to the **Internet** using the **ethernet cable**.
2. Switch the remote control to **FTP Server** mode
  - Enter in turn, home page → **Flight Logs** → **Download log, remote control** → **FTP Server** mode
3. Synchronize the
  - mobile control to **Wi-Fi** **FTP Server**
4. Open **FTP** **APP**

**Disclaimer and Warnings**

1. The above is not suitable for flying under 11 years old
2. Choose open, no obstacles around the site as the flight site
3. Do not fly in bad weather, such as snow, rain and fog, wind
4. When flying, please stay away from obstacles, include buildings and trees
5. Do not fly in places with complicated electromagnetic environment in order to prevent remote control/joystick transmission
6. Do not fly in the no-fly zone restricted by relevant laws or regulations
7. Before starting the flight, please check whether the signal is in good condition
8. When the remote control and the joystick are in contact and there is no alarm, you are safe to fly in non-crowded
9. Do not touch the rotating propeller.

The diagram illustrates the architecture of an optical flow system, divided into two main sections: **Optical flow** and **Video analysis**.

**Optical flow section:**

- Inputs:**
  - Open camera:** Represented by a camera icon.
  - Virtual image:** Represented by a monitor icon.
  - Image sensor:** Represented by a sensor icon.
  - Good signal:** Represented by a signal icon.
- Processing:** A central box labeled **Optical flow** with a diagram of a camera and a monitor.
- Outputs:**
  - Good image:** Represented by a monitor icon.
  - Good signal:** Represented by a signal icon.

**Video analysis section:**

- Inputs:**
  - Good image:** Represented by a monitor icon.
  - Good signal:** Represented by a signal icon.
- Processing:** A central box labeled **Video analysis** with a diagram of a camera and a monitor.
- Outputs:**
  - Good image:** Represented by a monitor icon.
  - Good signal:** Represented by a signal icon.

[illegible]

1. Click Start to enter surround mode.

2. Change the surrounding radius of the remote control joystick front and back.

3. The remote control sticks left and right to change the surround direction and speed.

**Spiral**

1. Click  enter spiral mode.

2. Click the start button to start spiral flight.

3. To stoppage  or move the joystick of the remote control.

**Sun**

1. Click  enter sun mode.

2. Click the start button to start sun flight.

3. To stoppage  or move the joystick of the remote control.

**Quarry**

1. Click  enter quarry mode.

2. Click the start button to start quarry flight.

3. To stoppage  or move the joystick of the remote control.

[illegible]