FCC INFORMATION

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 residential 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 the circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

FCC WARNING

The equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. Modifications not authorized by the manufacturer may void user's authority to operate this device.

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.

Visit us online at force1rc.com for product information, replacement parts, and flight tutorials.
<table>
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<tr>
<th>Part</th>
<th>Image</th>
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<tbody>
<tr>
<td>Transmitter</td>
<td><img src="image1" alt="Transmitter" /></td>
</tr>
<tr>
<td>Screwdriver</td>
<td><img src="image2" alt="Screwdriver" /></td>
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<tr>
<td>Hex Wrench</td>
<td><img src="image3" alt="Hex Wrench" /></td>
</tr>
<tr>
<td>SD Card Reader</td>
<td><img src="image4" alt="SD Card Reader" /></td>
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<tr>
<td>SD Card</td>
<td><img src="image5" alt="SD Card" /></td>
</tr>
<tr>
<td>Gear</td>
<td><img src="image6" alt="Gear" /></td>
</tr>
<tr>
<td>USB Cable</td>
<td><img src="image7" alt="USB Cable" /></td>
</tr>
<tr>
<td>Drone Battery</td>
<td><img src="image8" alt="Drone Battery" /></td>
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ATTENTION: BEFORE FLYING YOUR DRONE, PLEASE WATCH THIS FLIGHT INSTRUCTION VIDEO

https://youtu.be/tk3qzsUwoWs
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TROUBLESHOOTING GUIDE

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<tbody>
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<td>2. The batteries’ positive poles and negative poles are in reverse order</td>
<td>1. Replace all the transmitter batteries</td>
</tr>
<tr>
<td>3. Poor contact</td>
<td></td>
<td>2. Install the battery in accordance with the User Manual instructions and check polarity</td>
</tr>
<tr>
<td>3. Clean the battery compartment with a dry microfiber cloth to remove dust and dirt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. The transmitter power indicator light is off</td>
<td>2. There is an interfering signal nearby</td>
<td>1. Please see solutions under “The transmitter power indicator light is off”</td>
</tr>
<tr>
<td>3. Proper steps not followed, missed step</td>
<td>4. An electronic component is damaged from frequent crashes</td>
<td>2. Restart the drone and attempt to power on and pair</td>
</tr>
<tr>
<td>3. Check Page 13 and closely follow all steps</td>
<td></td>
<td></td>
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<tr>
<td>4. Buy spare parts from force1rc.com and replace any damage parts</td>
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</tr>
<tr>
<td>1. The propeller is damaged</td>
<td>2. Low battery</td>
<td>1. Replace the damaged propeller(s)</td>
</tr>
<tr>
<td>3. Incorrect installation of propellers</td>
<td></td>
<td>2. Charge the drone battery, plug the charged battery into the drone, and power on</td>
</tr>
<tr>
<td>3. Check Page 7 and 10 of the User Manual for proper instructions</td>
<td></td>
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</tr>
<tr>
<td>1. Drone calibration was unsuccessful</td>
<td>2. A propeller is damaged</td>
<td>1. Refer to Page 14 for calibration instruction</td>
</tr>
<tr>
<td>3. The motor casing/arm is damaged</td>
<td></td>
<td>2. Replace the damaged propeller(s)</td>
</tr>
<tr>
<td>4. The gyro did not reset after a crash</td>
<td>5. The motor is damaged</td>
<td>3. Replace the damaged motor casing/arm</td>
</tr>
<tr>
<td>4. Put the drone on flat ground for about 10 seconds or restart the drone to calibrate again (See Page 14 for instructions)</td>
<td></td>
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<tr>
<td>5. Replace the motor (See Page 10 for instructions)</td>
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</tr>
<tr>
<td>1. Low battery</td>
<td>2. The battery is expired or no longer charging</td>
<td>1. Charge the drone battery, plug charged battery into the drone</td>
</tr>
<tr>
<td>3. Poor contact</td>
<td></td>
<td>2. Buy a new battery from force1rc.com and replace the battery</td>
</tr>
<tr>
<td>3. Disconnect the battery, make sure it’s clean and has no bent/broken prongs then connect it to the drone plug again</td>
<td></td>
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</tr>
<tr>
<td>1. The camera wire has no contact with the camera</td>
<td>2. There is an interfering signal nearby</td>
<td>1. Check the wire and connection to ensure it’s fully plugged in</td>
</tr>
<tr>
<td>3. Damaged camera</td>
<td></td>
<td>2. Unplug the camera wire and reconnect</td>
</tr>
<tr>
<td>3. Buy a new camera box from force1rc.com</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For technical support, contact support@force1rc.com
7. MEDIA

- To view the photos and videos.
- To view the aerial photography dates saved in the TF card.

Tip: You will need to authorize the APP to read your phone's media data. If you don't, you may be unable to view the aerial photography.

8. TO TAKE A PHOTO AND RECORD A VIDEO

1. Insert the SD card to the slot in accordance with Picture 33. Make sure the metal side of the card faces up as shown in the picture.
2. The aerial photo will be saved in your mobile phone and the SD card, while the video will only be saved in the memory card. You can download the video to the mobile phone only when the mobile phone is connecting with the drone WiFi and the memory card.

Tip: Please play the video or photo after copying all aerial photography data to computer and make sure the play software can support AVI format.

3. Power OFF the drone first when finishing aerial photography. Take out SD card and insert the card to a card reader. Connect the card reader with a computer USB port. After a while, view the aerial photography data from "my computer"-"mobile disk".

Tip: Please play the video or photo after coping all aerial photography data to computer and make sure the play software can support AVI format.

Basic parameter for aerial camera: Video DPI 1280*720P; Image Size 1280*720P.

IMPORTANT STATEMENT

Thank you for buying a Force1 drone. Please read this manual carefully before operating the drone. By reading this manual it is assumed you are accepting all content in this user manual when using this drone.

1. This product is not a toy but a piece of complicated equipment which is integrated with professional knowledge by mechanic, electronic, air mechanics, high-frequency emission etc. It should be installed and adjusted correctly to avoid accidents. The user must always operate in a safe manner. We undertake no liability for human injury or property damage caused by improper operation, as we have no control over setup, use and operation of this drone.

2. This drone is suitable for experienced RC drone users aged 14 years or above. Not safe for users under the age of 14 to use.

3. The flying field must be legally approved by your local government.

If you have any questions about use, operation, technical support, repair, after-sale service, etc., Please contact us at support@force1rc.com

*Please use only original Force1 spare parts and accessories. Force1 does not assume any responsibility for any accidents caused by using non-genuine parts and accessories.
*Keep the packaging and user manual for future reference.

SAFETY PRECAUTIONS

This drone is suitable for experienced RC drone user aged 14 years or above. This product contains small parts, please keep out of reach of children.

Please pay special attention to the following safety procedures:

1. Flying area
   - The flying field must be legally approved by your local government. Do not fly the drone near in the airport. Keep far away from the airport more than 3.10 miles when flying a RC drone. Flying field must spacious enough and we suggest at least 26.24ft (length)*26.24ft (width)*16.40ft (height).

2. Keep away from humid environment
   - The drone is made of precise electronic components. Humidity or water vapor may damage electronic components causing accidents.

3. Safe operation
   - Please operate the RC drone in accordance with your flying skills. User fatigue, listlessness, and improper operation may increase the rate of accidents.

4. Keep away from rotating parts
   - Rotating parts can cause serious injury and damage. Keep face and body away from rotating motors.

5. Keep away from heat
   - The RC drone is made of metal, fiber, plastic, electronic components etc. Keep away from heat and direct sunshine to avoid distortion and damage.

6. Please do not touch the hot motor to avoid being burnt
**IMPORTANT SAFETY NOTICE FOR DRONE BATTERY**

* Keep LiPo batteries away from children and animals.
* Never use or charge a LiPo battery that has ballooned or swelled.
* Never use or charge a LiPo battery that has been punctured or damaged.
* After a crash, inspect the battery pack for signs of damage.
* Never use or charge a LiPo battery that has been damaged.
* Never use or charge a LiPo battery that has been punctured or damaged.
* After a crash, inspect the battery pack for signs of damage.
* Never overcharge a LiPo battery.
* Do not charge LiPo batteries near flammable materials or liquids.
* Do not put the battery in a high temperature place or in direct sunlight. Reduce risks of fire or explosion by storing LiPo batteries inside a LiPo safe bag.
* Do not put the battery in a high temperature place or in direct sunlight. Reduce risks of fire or explosion by storing LiPo batteries inside a LiPo safe bag.
* Do not put battery packs in pockets or bags where they can short circuit or can come into contact with sharp or metallic objects.
* Do not attempt to disassemble or modify or repair the LiPo battery.
* Do not use the battery to break or hit a hard surface.
* Do not use the battery to break or hit a hard surface.
* Do not put the battery in water and keep it stored at room temperature in a dry place.
* Do not leave the battery unsupervised when charging.
* Make sure that there is no short circuit of the power wire.
* Please use the recommended charger only. Do not charge on a gaming console. Only use your computer’s USB port, power bank or phone wall charger to charge the battery.
* To avoid trickle charging, always unplug the battery from the USB charger when storing or leaving unattended.
* Check the charger’s wire, plug, and surface regularly. Do not use a broken charger.
* if you are going more than one week without using LiPo batteries it is best to keep them stored at a 50% charge.

---

**6. APP TRIMMING ADJUSTMENTS**

**FORWARD/BACKWARD TRIM**

Click the "-" of the Forward / Backward Trimmer to adjust the drone until balance of the drone tilts forward. Click the "+" to adjust the drone until balance of the drone tilts backward.

---

**LEFT/RIGHT TRIM**

Click the "+" of the Left / Right Flying Trimmer until balance of the drone tilts to the left. Click the "-" to adjust the drone until balance of the drone tilts to the right.

---

**LEFT OR RIGHT ROTATION TRIM**

Click the "+" of the Left / Right Rudder Trimmer until balance of the drone rotates left. Click the "-" to adjust the drone until balance of the drone rotates right.

---

**NOTE:**

1. If you can not find the WiFi signal to connect, turn off WiFi and turn on again to search and connect.
2. The available WiFi control radius/distance is 40m, please control the drone within this range.
3. When changing control method from mobile phone to transmitter, exit from the APP.
**5. APP FLYING CONTROL CONTINUED...**

**FLY UP AND DOWN**
Move the Left Ball up to fly the drone up and move the Left Ball down to fly the drone back down. The drone will stay flying at appointed altitude.

**ROTATE LEFT OR RIGHT**
Move the Left Ball to the left to rotate the drone to the left. Move the Left Ball to the right to rotate the drone to the right.

**FLY LEFT OR RIGHT**
Move the Right Ball to the left to fly the drone to the left, and move the Right Ball to the right to fly the drone to the right.

**FLY FORWARD OR BACKWARD**
Move the Right Ball up to fly the drone forward, and move the Right Ball down to fly the drone backwards.

---

**LIPO BATTERY CARE INSTRUCTIONS**

**Temperature:**
- Heat is a known factor in battery fires. If a battery is pushed beyond 60°C/140°F during discharging or charging, problems could occur due to metallic lithium generation, which damages the cell.
- After a flight, you may find your batteries are warm or hot to the touch. Give the batteries a chance to cool down before recharging.
- Do not leave batteries exposed to direct sunlight.

**Storage:**
- Store batteries at normal room temperature and avoid direct exposure to sunlight or heat. When storing LiPo / Li-ion batteries for any length of time, they should ideally be stored at a temperature of between 5°C/40°F & 27°C/80°F.
- If you have a battery pack fully charged, do not try to charge further until it has been partially or fully discharged!

**Usage:**
- Leave time between charging and using the battery.
- To extend the lifetime of the battery time your flights to leave about 20% power remaining in the batteries (rather than completely draining them)
- If the battery is pushed beyond its limits, the battery could get hot and the performance will drop.
- When using the battery for a long time, the battery will increase in temperature. If it is sealed, the air inside will inflate rapidly causing further heating.

**Charging:**
- Do NOT overcharge the battery. It may cause overheating and in turn this overheating could damage the battery or melt/burn surfaces it is resting on to charge.
- Never try charging a battery that has been damaged, you run the risk of fire! Cells that are obviously swollen or have physical damage should never be used and careful disposal is required, especially if the cells are swollen.
- If you feel like the battery is not charging properly, try plugging it into another charger if one is available and see if the issue persists. If the charger is defective you should discard it immediately and go to Force1RC.com to purchase a replacement. You may also contact our support team at support@force1rc.com so we can arrange to ship you a replacement charger and/or batteries if within the warranty period.
- Remove the battery from the device, inspect the battery and battery connections. Ensure there is no damage to the battery, battery pins or contacts on the device. If you have damage to the battery or charging pins, discontinue use and visit Force1RC.com to purchase replacement parts. You may also contact us at support@force1rc.com for a replacement piece if within warranty.
- After crashing the quadcopter always check the battery and connectors for damage. If any part is damaged get spare parts from Force1RC.com.
- Please use genuine factory spare parts replacements from Force1RC.com

**WARNING:**
DO NOT LEAVE BATTERY CHARGING UNSUPERVISED
CHARGING INSTRUCTIONS FOR DRONE BATTERY

1. Connect the drone battery with USB cable first and then choose one of the methods as pictured below to connect with USB plug.
2. The red USB indicator light turns on when charging and the light turns green when fully charged.

WARNING: DO NOT LEAVE BATTERY CHARGING UNSUPERVISED

LI-PO BATTERY DISPOSAL & RECYCLING
Lithium-Polymer batteries must not be placed with household trash. Please contact local environmental or waste agency or your nearest Li-Po battery recycling center.

4. CALIBRATION INSTRUCTION
If the drone becomes imbalanced after crashing during the flight, and cannot be adjusted by trimmer button and cause difficult operation, please calibrate the drone.

1. Please refer to the Frequency Pairing between Mobile Phone and Drone WiFi to calibrate the drone.
2. Do not push the Left Ball before successful calibration. Move the Right Ball as the picture shown on the right. The drone body lights flash, which indicates that the drone is calibrating. When the drone body lights turn solid it indicates successful calibration and the drone is ready to be controlled.

5. APP FLYING CONTROL
STARTING THE DRONE
Move the Left Ball and Right Ball at the same time to start the drone as picture shown. Or click the One Button Take Off icon to start the drone.

High/Low Speed Mode: By default, the drone is in Low Speed Mode "L". Click on "H" to enter High Speed Mode.

One Button Take Off: Click on this icon and it turns red shortly. The drone will fly up automatically and stay flying at a altitude of 3.9 ft.

One Button Landing: Click on this icon and the icon turns red, the drone will fly down slowly and land on the ground. All propellers also will stop.

PhoneCharger  PowerBank  Computer  CarCharger  Drone Battery
Remote Control

Virtual Control Stick: The virtual control stick is hidden by default. Click on the icon to turn on the virtual control stick.

Gravity Induction Mode: Click on this icon to enter gravity induction control mode. (only available for flying left / right and forward / backward). Click on the icon again to exit from gravity induction control mode.

Video: Click on this icon to record video. The recording time will show at the bottom of the screen. Click on this icon again to finish recording.

Photo: Click on this icon to take photo.

Heading Hold Mode: Click on this icon and it turns red, which indicates that the drone has entered Headless Mode. Click again to exit from Headless Mode. The icon turns white.

Media: Click on this icon to view or delete the aerial video and photo. Click on the arrow to exit.
3. INTRODUCTION FOR APP ICONS

1. HOME PAGE ICONS

- Explore UDI RC Drone
- Learn the operation of Drone
- Remote control interface

2. REMOTE CONTROL INTERFACE

- Home Page Icon: Click on the icon to go back to the home page.
- Virtual Reality Mode: Click on the icon to enter virtual reality mode to experience first person view (only available when using with a VR headset). Click on the icon again to exit from virtual reality mode.
- Flight Route Setting Mode: When you click on this icon, it will turn red. Draw a flight route in the right area. The drone will fly according to the flight route. Click on the icon again to exit from Flight Route Setting Mode. The icon will turn white.

**EMERGENCY**

- Emergency Stop: The icon is red by default. Click this icon and the propellers will stop immediately. The drone will fall down to the ground immediately.
- Tip: Do not use the emergency stop function unless in emergency situation.

- SD Card: If there is no SD Card in the drone, the icon shows as . If there is an SD Card in the drone, the icon shows as .

- Remote Control Signal: To show the drone's WiFi signal strength.

- Setting: Click on this icon to set some parameters, and click again to exit.

<table>
<thead>
<tr>
<th>Setting</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimming</td>
<td>Save</td>
<td>Reset</td>
</tr>
<tr>
<td>Transmission quality</td>
<td>720P</td>
<td>480P</td>
</tr>
</tbody>
</table>

Click on "Save" to save trimming setting. Choose "Reset" for factory reset.

Click on "720P" or "480P" to choose real time transmission resolution.
GETTING TO KNOW YOUR APP

1. DOWNLOAD AND INSTALL THE APP: FLYINGSEE

The App is compatible with mobile phones running iOS or Android. Please download the app from the App Store or Google Play:

1. Scan the QR code below or the QR code on the product box to download the App:
2. iOS system: please search Flyingsee in APP Store.
3. Android system: please search Flyingsee in Google Play.

Available on the App Store

ANDROID APP ON Google play

2. FREQUENCY PAIRING BETWEEN MOBILE PHONE AND DRONE WIFI

1. Install the battery to the mounted box and power on the drone. Put the drone on a flat surface in a horizontal position.
2. Make sure your Wifi settings are turned on, on your mobile device and connect to the wifi name: udirc-***. Return to your home screen after successful connection.
3. Click on the Flyingsee app and click on to enter remote control interface to experience real time transmission.

Click on the icon

HOME PAGE

REAL TIME TRANSMISSION INTERFACE

4. Click on to enter Virtual Control Interface. At this time the drone LED lights will change from flashing to a solid light, which indicates successful frequency pairing. The drone is now ready to be controlled via APP.

VIRTUAL CONTROL INTERFACE

Important Tip: Ensure that the drone is on a flat surface in a horizontal position when pairing or the drone may not pair properly.

TRANSMITTER BATTERY INSTALLATION

Open the battery cover on the back side of the transmitter and put 4 alkaline batteries (AA, not included) into the box in accordance with electrode instructions, as shown in Picture 1 & 2.

PICTURE 1

PICTURE 2

CAUTION:

- The transmitter needs 4 X AA batteries to work. Non rechargeable batteries are not to be charged.
- Insert batteries with correct polarity.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Rechargeable batteries are to be removed from the toy before being charged;
- Rechargeable batteries are only to be charged under adult supervision;
- Exhausted batteries are to be removed from the toy;
- The charging wire to be used with the product should be regularly examined for potential hazard, such as damage to the cable or cord, plug, enclosure of other parts and that in the event of such damage, the product must not be used unless or until that damage had been properly fixed.

PHONE INSTALLATION INSTRUCTION

1. Pull up the phone holder (Picture 3), open the lower clamp, then pull the upper holder until it can hold the phone (Picture 4).
2. Put the phone into the holder, then release the clamp, the clamp will hold the phone tightly (Picture 5/6).
DRONE ASSEMBLY

PROPELLERS REMOVAL/INSTALLATION

REMOVAL
Use the screwdriver to remove set screw, then lift propeller up. (Picture 7)

INSTALLATION
Replace with a new propeller with the same rotation direction. Re-insert the screw into the hole (Picture 8), then tighten the screw in clockwise.

CAUTION:
- Please be sure to install the propellers correctly (matching A and B), otherwise the drone will not fly.
- Be careful when installing the propellers, as they are a little sharp.
- Extra propellers can be ordered from force1rc.com

MOTOR REPLACEMENT

REMOVAL
Rotate the screwdriver in counter clockwise to loosen the screw, and take out the 3PCS screws in the cover, disconnect the wire (Picture 10) and then take out the defective motor (Picture 9).

INSTALLATION
Replace the old motor with the new motor (same rotation), connect the motor wire (Picture 10), put on the cover, then tighten the screws in the clockwise direction (Picture 11).

CAUTION: Ensure that you install the correct motor orientation (clockwise or counter-clockwise) to replace the non-working motor, otherwise the drone will not work.

HEADING HOLD MODE (HEADLESS MODE)

Drones generally have a front and back indicated by LED lights or colored propellers. Before take off, users are instructed to position the head of the drone away from the user. When flown in daylight or at a far distance, determining which side is the front or back becomes difficult. When the drone is in Headless Mode, push the Right Stick forward/backward/left/right and the drone will fly accordingly.

Prerequisite: Position the drone in such a way that its front is your front (see Picture 30).
Tip: Do not change the orientation of the transmitter (see Picture 31) after entering headless mode.

Press down the Heading Hold mode button (Picture 32), the drone's left and right LED will start flashing alternately, it shows the drone enters Heading Hold mode, press the button again, then the LED turns solid and the drone exits from Heading Hold mode.

LOW BATTERY ALARM
When the drone battery is low, the transmitter will constantly beep to remind the user to land the drone as soon as possible.

OUT OF RANGE ALARM
When the drone is going to fly out of the max remote control distance, the transmitter will double beep continuously to alarm the user to fly the drone back immediately. Otherwise the drone may lose control and fly away.

MOTORS STUCK PROTECTION
1. When the propellers get stuck, then the drone LED will flash quickly and activate stuck protection function and the motors stop running.
2. Pull down the left stick to the lowest position, the drone LED will get a solid light and stuck protection will be released and the drone can fly again.
ALTITUDE HOLD MODE
Altitude hold mode indicates that the drone maintains a consistent altitude while allowing roll, pitch, and yaw to be controlled normally. It makes it easier to control the drone for beginners and more stable for aerial photography.

Push the THROTTLE/RUDDER STICK up/down to fly the drone up/down at certain altitude and then release the Stick. The Stick will return to the center position (Altitude Hold Center) as shown in Picture 29. And the drone will keep flying at current altitude. Repeat above steps if you want to change the drone altitude (Default mode).

Note: The Altitude Holding Mode cannot be used when the blades are accidentally deformed or damaged.

HIGH/MEDIUM/LOW SPEED MODE SWITCH
Press on the button once to hear ONE BEEP which means Low Speed Mode "L". Press the button a second time and you will hear TWO BEEPS which means it's on Medium Speed Mode "M". Press the button a third time to hear THREE BEEPS which means it's on High Speed Mode "H".

Low Speed Mode (Mode 1)
Low Speed Mode is suitable for beginners

Medium Speed Mode (Mode 2)
Medium Speed Mode is suitable for skilful pilots and for use in a gentle breeze.

High Speed Mode (Mode 3)
High Speed Mode is suitable for experts and aerial stunts outdoors.

BATTERY INSTALLATION
Install the battery to the mounted box in the drone as pictured (Picture 12). When you install the battery, you need to press down the clip and then push the battery until fully secured.

To remove the battery, gently push down on the battery clip, keep it pressed and then slide the battery out (Picture 13).

NOTE: When inserting the battery into the drone please ensure that the battery sticker is facing upwards.

LANDING GEAR INSTALLATION
Install the left and right landing gear to the bottom housing position (Picture 14), then use the screwdriver to tighten the screws in the clockwise direction.
**DRONE ASSEMBLY CONT.**

**CAMERA INSTALLATION**
Insert the camera clip into the bottom of the drone (Picture 15), and then push the camera in (Picture 16).

**CAMERA WIRE CONNECTION DIAGRAM**
1. Insert the attached Micro USB Cord to the camera socket (Picture 17).
2. Insert the Micro USB Cord into the bottom housing socket as pictured (Picture 18).

**FUNCTIONS INTRODUCTION**

**TAKE OFF/ONE BUTTON TAKE OFF/LANDING MODES**

**Method 1** (Take Off): After successful frequency pairing, push the left stick and right stick as shown in pictures 25-27 to start the motors and then release. Then push up the left stick to fly up the drone to desired altitude and then release the stick.

Method 2 (One Button Take Off): After successful frequency pairing or motors activated, press the Take Off / Landing / Emergency Stop Button (Picture 28). The drone will fly up automatically and keep flying at an altitude of approximately 4 meters.

**LANDING METHODS**

**Method 1** (Landing): When flying, push the left stick all the way down to the lowest position (Picture 26) and hold it until the motors stop and the drone will slowly land on the ground.

**Method 2** (One Button Landing): When flying, press the Take Off / Landing / Emergency Stop Button once (Picture 28), and the drone will land on the ground automatically. (When using this function, do not touch the left stick. Moving the left stick will cancel the auto landing)

**Emergency Stop:** When the drone is in an emergency situation or you need to land the drone, press the Take Off / Landing / Emergency Stop Button immediately and hold it for more than 1 second (Picture 28). The propellers will stop immediately and the drone will drop down to the ground.

**NOTE:** Do not use the Emergency Stop function unless in an emergency situation. The drone will fall down suddenly after all propellers stop.
**TRIM ADJUSTMENTS**

**FORWARD/BACKWARD TRIM**
Press the TRIMMER MODE BUTTON and adjust using the DIRECTION CONTROL STICK. If the drone drifts forward when taking off, push backwards, or forwards if drone drifts backwards.

**LEFT/RIGHT TRIM**
Press the TRIMMER MODE BUTTON and adjust using the DIRECTION CONTROL STICK. If the drone drifts right when taking off, push left, or right if drone drifts to the left.

**LEFT OR RIGHT ROTATION TRIM**
Press the TRIMMER MODE BUTTON and adjust using the THROTTLE/RUDDER STICK. If the drone rotates right when taking off, push left, or right if drone rotates to the left.

**PRE-FLIGHT OPERATION INSTRUCTIONS**

**FREQUENCY PAIRING**
1. Turn on the transmitter switch (Picture 19) and the power indicator light flashes rapidly. Push the Left Stick all the way down to the lowest position and then release. The Left Stick will back to the middle position automatically. (Picture 20 / 21) The power indicator light flashes slowly, which indicates the transmitter is ready for frequency pairing.

2. Install the battery to the mounted box in the drone and then power on the drone (Picture 22).

3. Put the drone on the flat surface, the drone body lights turn from flashing to solid bright, which indicates successful frequency pairing.

**CHECKLIST BEFORE FLIGHT**
1. The camera is in front of the drone. Keep the drone front facing away from you.

2. Power ON the drone and check the direction of the rotating propellers. The left front and right rear A propellers should be rotating clockwise while the right front and left rear B propellers should be rotating counterclockwise.

3. Activate (unlock) motors: Move the Left Stick and Right Stick at the same time as Picture 23 shown (45 degree inward) to start the motors and repeat previous step again to lock the motors.
4. After activating the motors, push the left stick up slowly to fly the drone upwards. Pull down the left stick slowly to the lowest end, then the drone will land on the ground slowly.
5. It's recommended to repeat Step 2-4 for practice.
6. Adjust the trim using the trimmer button if the drone moves in a certain direction too much while flying.

**CALIBRATION INSTRUCTION**

Please follow the below steps to calibrate the drone if it becomes imbalanced after crashing and the trim buttons are not balancing the drone adequately.

1. Power OFF the drone, then turn off the transmitter switch.
2. Turn on the transmitter switch, push the left stick all the way down to the lowest position (Picture 24) and then release. The left stick will spring back to the middle position automatically (Picture 25). The transmitter is ready for frequency pairing mode.

3. After activating the motors, push the left stick up slowly to lift the drone up; and push the left stick down slowly, to the lowest end to land the drone.
4. It's recommended to repeat Step 2-4 for practice.
5. Adjust the trim using the trimmer button if the drone moves in a particular direction too much while flying.

**Notice:** When the drone is fiercely impacted or crashed, it may cause the gyro may not recover its original position and cause difficulty in control, if this is the case, then you need to power OFF and power on again to calibrate.