

# INSTRUCTION BOOKLET

## FCC Part 15 C Notice

**CAUTION:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class C 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 experienced radio/TV technician for help.
- 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.

## FLYING TIPS

- It is recommended that you operate the drone in a wide space. The ideal space should have a 61m/200 ft radius.
- Parental guidance or adult supervision is suggested at all times.
- If you are flying the drone with others, make sure all spectators are behind you.
- For best performance, it is recommended that you operate the drone in zero wind conditions. Wind can greatly affect the performance of the drone.

**WARNING:** Never leave product charging unattended for extended periods of time. Always disconnect drone from charger immediately after the drone is fully charged. Please refer to enclosed safety instructions.



## FEATURES:

- Ducted fan propeller technology for improved stability and longer flight time
- Headless mode make fly easily
- 3 speed settings with push button 360° stunt rolls
- Air pressure sensor automatically locks your altitude in place
- 6 axis gyro for smooth and stable flight
- Automatically starts and lands with the push of a button

## REMOTE CONTROL BATTERY INSTALLATION

1. Push and remove the battery cover from the back of the remote control.
2. Install 2 "AAA" alkaline batteries into the battery compartment.
3. Replace the battery cover and secure it.

## CHARGING THE DRONE

1. Before playing, you need to charge the battery first. Plug the battery into the charging base then connect the USB charging cord to the charging base. (See diagram B)

**Caution: The USB plug fits the charging base only in one way. Do not force it.**

2. Connect the charging cord to your computer's USB port (See diagram B1).

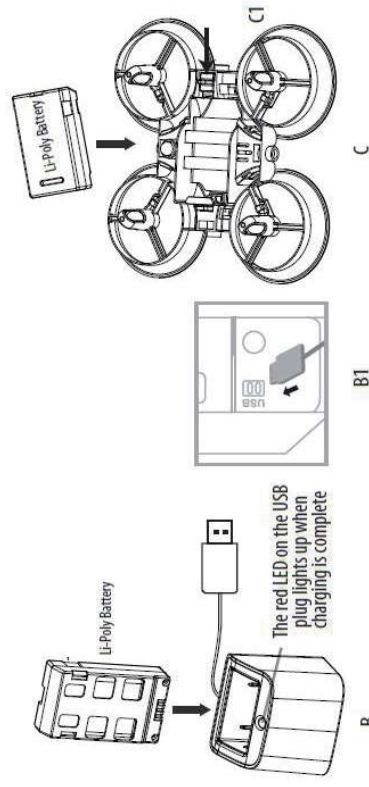
**Caution: Only use this charging cord with a computer USB port! Do not attempt to use other USB charging devices.**

3. The red LED on the USB plug lights up when charging is complete (See diagram C).

**Note: if the red LED lights up, either the charging is complete or the USB plug is not properly connected.**

3. The average charging time is approximately 35-40 minutes. The drone operates for about 6 minutes per charge.

**Low battery indication: the drone's LED lights will begin to flash to notify you that the battery is running low. About 45 seconds after the LED lights start flashing your drone will automatically land to the floor.**



## DRONE BATTERY INSTALLATION

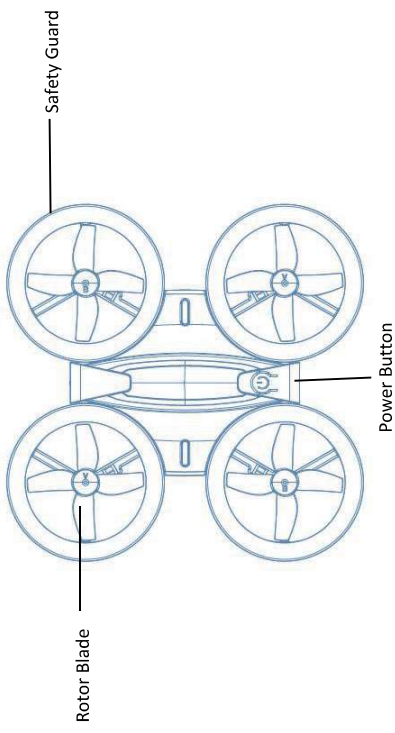
1. Slide the fully charged battery into the battery compartment as shown in illustration C.
2. Make sure the battery is fully inserted and push the battery lock in to secure the battery. (see

diagram C1)

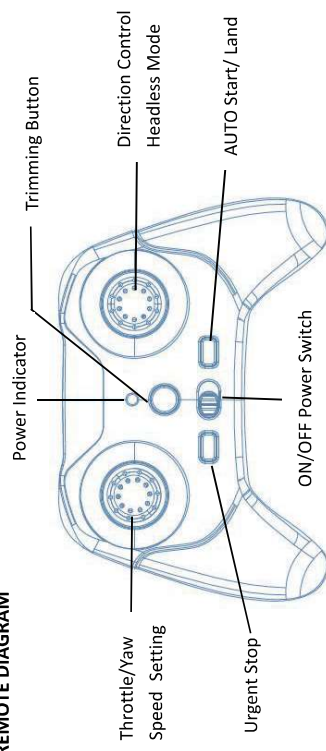
**Caution: The battery fits only one way! Do not force it.**

3. Turn on the ON/OFF button of the drone, the LED lights will start flashing if you install the battery properly.

## DRONE DIAGRAM



## REMOTE DIAGRAM



## SYNCING YOUR DRONE

**Important! When syncing your drone with the controller always make sure that the drone is on a flat level surface. This insures that the 6-axis gyro is properly programmed to mimic your trim settings.**

Your drone utilizes an automatic 2.4G channel selection system that allows up to 4 people to fly side by side in the same wireless range.

1. Before starting, make sure that both your controller and drone are powered off . Make sure that there are no other 2.4G devices in the area as well.
2. Connect the battery into your drone and set it down on a flat level surface. The blue and red LED indicators of the drone should start flashing slowly after you long press the Power Button .
3. Turn ON your remote and you will hear 1 short beep, the blue and red LED lights will start flashing rapidly then slower. Push the throttle all the way up then pull it all the way down. You will hear one long beep and the LED lights will turn solid. Your drone and remote should have successfully synced. Should this not happen, repeat all steps again.

### FLIGHT CONTROL

Below is a list of basic flight functions for your long-range remote to control the drone. While learning to fly your drone it is best to start in a large space with the drone facing away from you until you get used to the basic controls. As you master flying your drone you can move to more advanced maneuvering techniques. Practice makes perfect!

### NOW YOU ARE READY TO FLY!

If you have successfully synced your drone to your controller as explained on “SYNCING YOUR DRONE” you are now ready to fly. Before beginning to fly your drone you should familiarize yourself with how to start and stop the rotors, how to use your take off and auto land features and how the controls work. please carefully read and familiarize yourself with various control features explained in the next few pages. Once again as a beginner pilot you should learn how to control your drone in a large open field or park on a day with zero or very light wind. Do not try to fly your drone too high until you become a more experienced pilot.

### AUTOMATICALLY TAKE OFF / LAND

Make sure you have properly synced the drone.

- simply press the Auto Start/Land button, your drone will automatically take off.
- To stop or land the drone just Press the Auto Start/Land button again and the drone will descend and land automatically.

**Tips: You also can push the left control stick (throttle) up slowly, hold it till you see the blades start spinning. Then the drone will take off manually.**

### UNDERSTANDING THE ALTITUDE LOCK

The drone has a unique Altitude Lock function. With the help of air pressure sensor you can control, your drone more stable than ever. The sensor locks in the altitude of the drone while allowing the user to adjust the directional control without having to hold the throttle. After starting the drone, fly upwards to a safe height. Once at a safe height, let go of the throttle control, your drone should lock in the altitude and allow the user to focus on getting used to the directional controls.

**NOTE: The altitude sensor does have some tolerance based on atmospheric conditions and could have a slight variation in altitude.**

### SPEED SETTING BUTTON

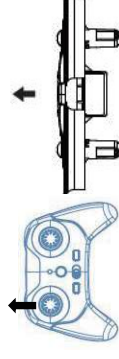
The drone has 3 speed Modes; 1 (SLOW), 2 (MEDIUM) and 3(HIGH). The Default setting when you first turn on your drone is 1 (SLOW). Short press speed setting button (the left control stick) you can switch among the 3 speed settings. One “beep” for slow speed, two “beep” for medium speed, three “beep” for high speed.

### UNDERSTANDING TRIM ADJUSTMENTS

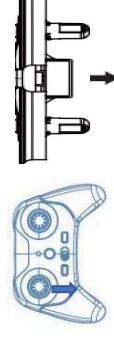
- If your drone flies forward, press the trimming button, pull the Throttle s stick down repeatedly until the moving stops and proper flight is maintained.
- If your drone flies backwards, push forward the Throttle stick until the problem is resolved.
- From time to time you may have to adjust the direction of forward and backward to ensure the drone will hover in mid-air and respond accurately to your commands.
- If your drone is not steadily hovering and is banking to the left or right automatically, you may need to adjust the left or right direction.
- If your drone banks to the left, push Direction Control to the right repeatedly until the banking stops and proper flight is maintained.
- If your drone banks to the right, push Direction Control to the left until the problem is resolved.
- From time to time you may have to adjust the left or right direction to ensure the drone will and respond accurately to your commands.

**NOTE:** The use of the Trimming button is accompanied with a beep tone. A single long beep indicates the product is centre-trimmed. No beeping after press the trim button indicates the product is trimmed to the maximum on a particular side.

### FLIGHT CONTROL



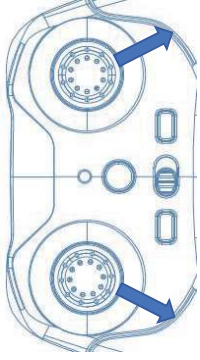
Move the Throttle up to increase the speed of the motors and the drone will rise up.



Move the Throttle down to decrease the speed of the motors and the drone will descend.

### CALIBRATING THE DRONE

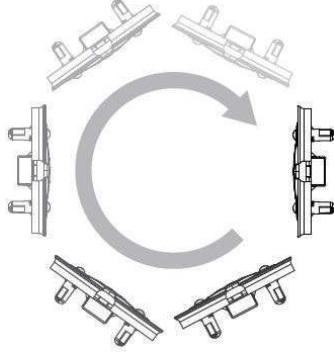
If the drone becomes unstable during the course of flying, you may need to calibrate the internal gyros. To do this place the drone on a flat level surface. Do not start the blades. Instead moving the Throttle stick down and to the left corner and moving the right control stick down and to the right corner. The LEDs on the drone will flash quickly and then remain solid, this indicates your drone has been recalibrated (see diagram E).



E

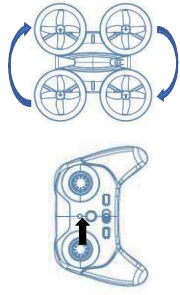
### HOW TO DO 360° STUNT ROLLS

1. In order to make your drone do 360° rolls you must fully charge your battery.  
Note: The drone will not do 360° stunt rolls under low battery indication (The LED lights on the drone will be flashing).
2. Once you are ready to attempt a 360° roll, simply press down the Right Control Stick. You will hear one "beep", this means you are now in "STUNT MODE."
3. Now quickly move your right control stick in any of 4 directions; up, down, left or right. Your drone will instantly roll in the associated direction. See diagram below.

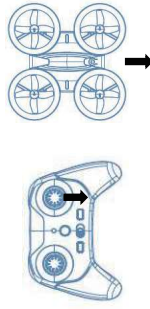


### Headless Mode

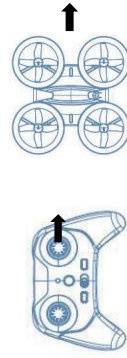
- To activate Headless Mode, long press down on the Right Control Stick on the remote control. The rear LED light of the drone will turn into solid blue while Headless Mode is ON. Press the button again to deactivate Headless Mode.
- The drone will always move in the direction you press the right control stick in relation to the remote control, no matter which direction the drone is currently facing.
- Pressing the right joystick up will make the drone fly away from the remote control, and pressing the right joystick down will make the drone fly towards the remote control.
- When headless mode is active, the remote control will beep every 6 seconds.



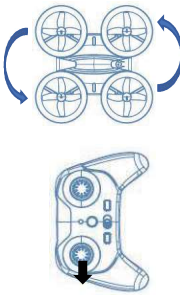
Move the Throttle stick right and the drone will rotate right.



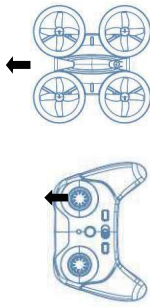
Move the Direction Control down and the drone will move backward.



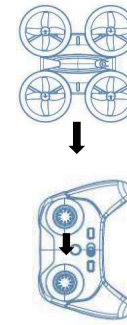
Move the Direction Control right and the drone will bank to the right.



Move the Throttle stick left and the drone will rotate left.



Move the Direction Control up and the drone will move forward.



Move the Direction Control left and the drone will bank to the left.