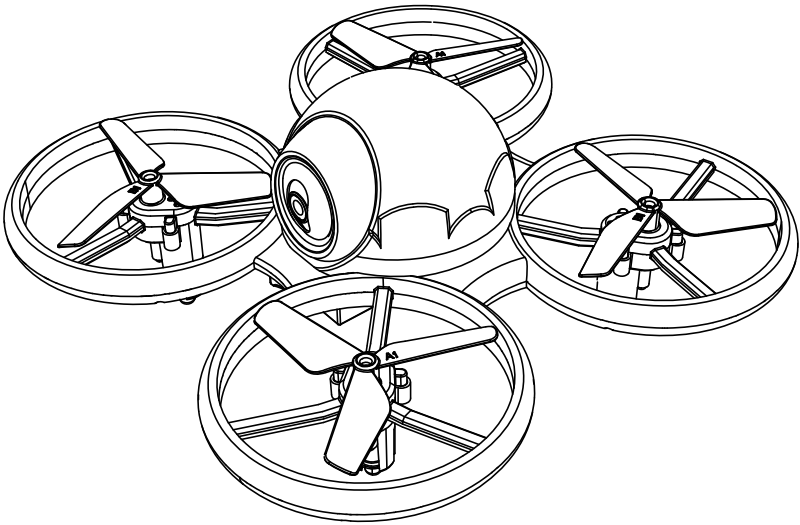


Instructions for use **14⁺**_{age}



Dwi Dowellin D10

E-mail: service2@dowellin.com

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Package contents

No.	Part Name	Quantity
1	Drone	1
2	2.4 GHz Transmitter	1
3	Additional Propellers	4
4	USB Charging Cable	1
5	Screwdriver	1
6	Battery	1
7	Instructions for Use	1

Specifications

Drone

Model: D10

Weight: 80g

Flight time: 10-11minutes

Operating temperature range: 32° to 140°F (0° TO 40°C)

Dimensions: 6.3"x 6.3"x 2.95"

Transmitter

Operating frequency: 2.4GHz

Max transmission distance: 200-260 feet

(outdoor and unobstructed)

Operating temperature: 32° to 140°F (0° TO 40°C)

Flight battery

Capacity :800mAh

Voltage:3.7V

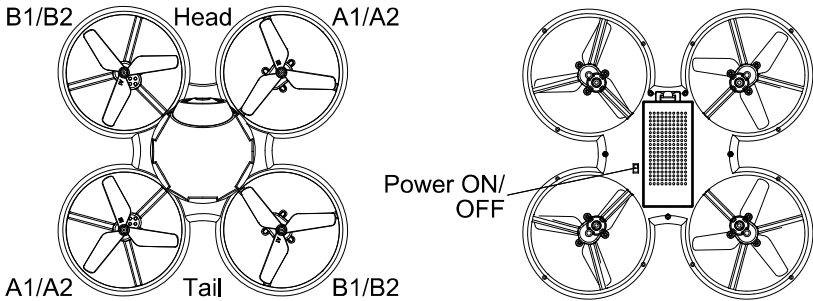
Battery type: LiPo

Energy: 2.96Wh

Charging temperature range :41° to 104°F (5° TO 40°C)

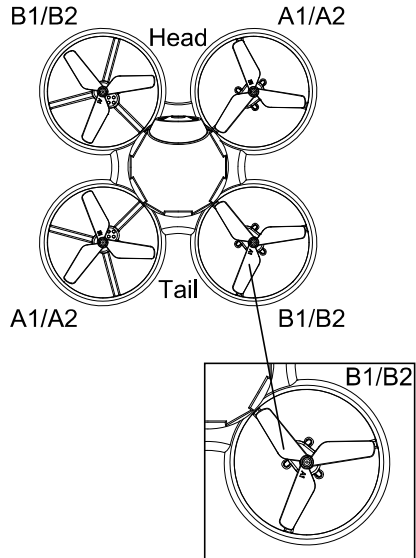
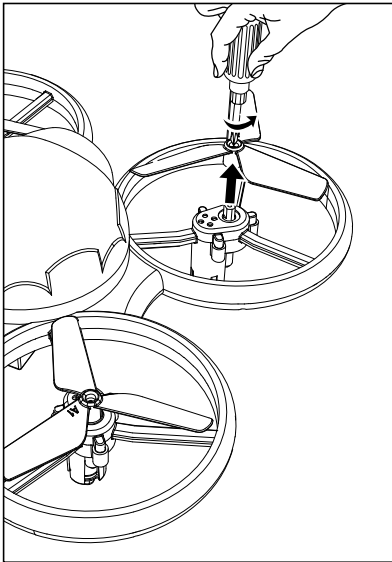
Charging time: 80-100mins (depending on charging power)

Drone's Details



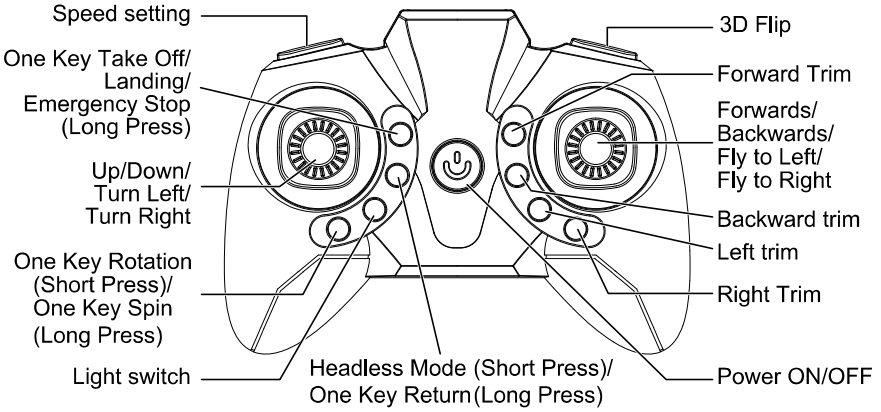
! Every propellers has indicated alphabet A1/A2 or B1/B2. Please install the propeller in the correct position as shown above. Otherwise the drone will fail to take off.

Method of changing Propellers

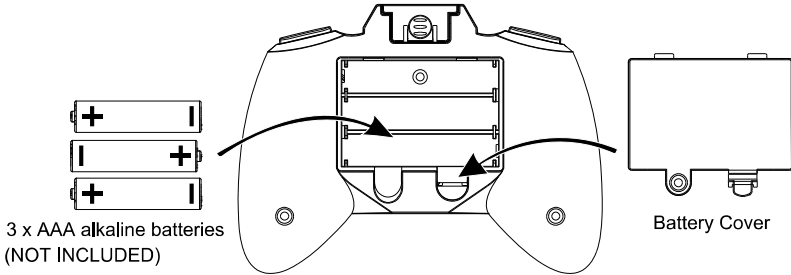


1. Use the supplied screwdriver to loosen the screw by turning it counterclockwise, then remove the propeller.
2. Install the propeller. Each propeller is marked either A1/A2 or B1/B2. Please install the propeller in the correct position as shown above. Otherwise the drone may fail to take off or fly out of control.
NOTES: A1=A2, B1=B2
3. Tighten the screw.

Transmitter Functions

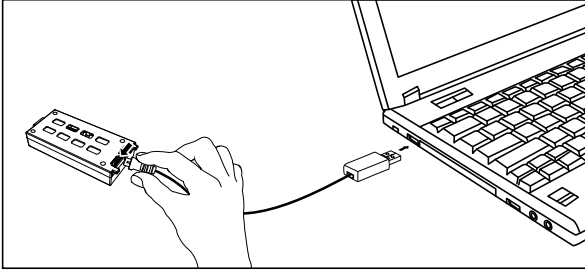


Transmitter Installation



⚠ Note: Always pay close attention to battery polarity to ensure they are fitted correctly.

Charging the Drone Battery



The drone's battery must be charged before it can be flown. To avoid risk of injury or damage, **be sure the drone and remote control are both powered OFF and remove the battery from the drone when charging.** Charging time is approximately 80-100 minutes. Charge fully before use for best performance.

Connect the USB charging cable (included) to the USB port of a powered ON computer or USB power adapter (not included), then connect the charging plug to the battery plug.

While charging, the light will display a red light.

When charging is complete, the charger light will turn OFF.

Note:

Be sure to correctly match the plug to the charging port or damage may occur.
Do not charge overnight. Do not leave unattended while charging.

When the drone's battery is low power, the LED lights on the drone will begin blinking fast, indicates that it just have 40s left to fly. At this time, you need to fly it to the safe area and press down the one key landing button to land it. If you fly it till it runs out of battery it will drop out of the sky.

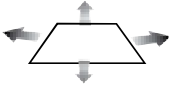


Li-Po Battery Disposal & Recycling

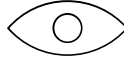
Wasted Lithium-Polymer batteries must not be placed with household trash. Please contact local environmental or waste agency or the supplier of your model or your nearest Li-Po battery recycling center.



Flight Safety Information



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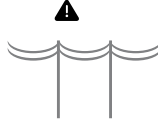
+



Fly in Open Areas

Maintain Line of Sight

Fly Below 50 m



Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airport or bodies of water.

Do not fly near strong electromagnetic sources such as power lines and those base stations as it may affect the onboard compass.



Do not use the drone in adverse weather conditions such as rainy, snowy, foggy and windy days.



Stay away from the rotating propellers and motors.

No Fly Zone



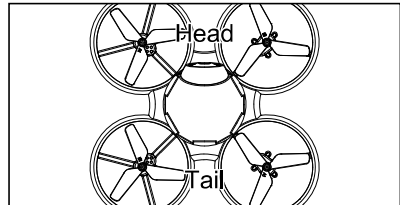
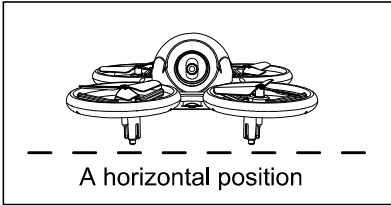
Do not use the drone in adverse weather conditions such as rainy, snowy, foggy and windy conditions.

The basic flight guidelines are important for pilots' safety and the surroundings. Please read the safety guidelines carefully.

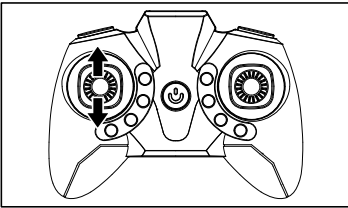
Get Your Drone Ready

- ⚠ Rotating propellers can be dangerous. Do not start the motor when there are people nearby.
- If the motor is still spinning, always keep your hands on the transmitter.

Pair the Drone

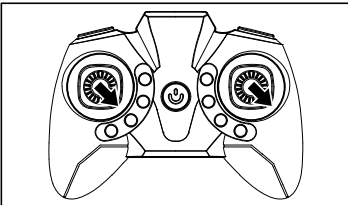


- ① Power on the drone and place it on a flat surface. The lights on the drone will blink as it searches for a signal from the transmitter. **Be sure head facing forward and the tail facing towards the pilot.**



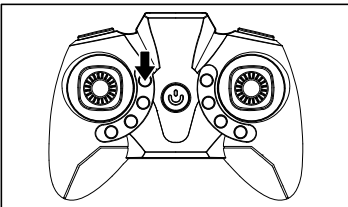
- ② Turn on the transmitter, push the left control stick fully forward, wait for a Di to sound, then pull the stick fully rearward, and wait for a second Di, and the blink mode changed when the transmitter and the drone have paired successfully.

Calibrate the Gyro



- ③ After pairing, pull down and to the right on both control sticks for 2-3 seconds. When you hear Di and the lights on the drone blink fast for 2-3 seconds, calibration is completed. (To ensure a stable flight, after pairing the drone and after a crash, we recommend the pilot calibrate the gyro. **Do not attempt to do this while flying**).

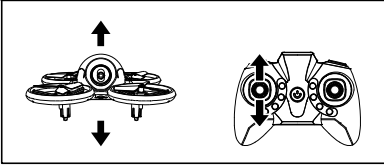
Take Off the Drone



- ④ After pairing and calibration, press down the one key take off/landing button, the drone will fly to the height of 80cm automatically. Press the take off/landing button again, the drone will land automatically. **After landing, wait for the propellers to stop spinning. Power OFF the transmitter BEFORE powering OFF the drone.** This will ensure that no signals are accidentally sent by the remote, reducing the chance of injury. After this is done, it is safe to pick up and power off the drone.

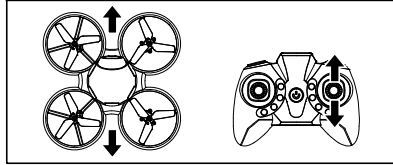
Flight Controls

Rise And Fall Control.



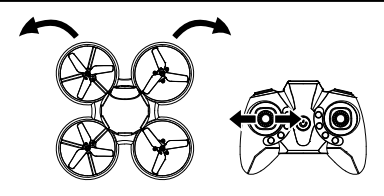
Push the left control stick - up or down and the drone will rise or fall.

Forward And Backward Control.



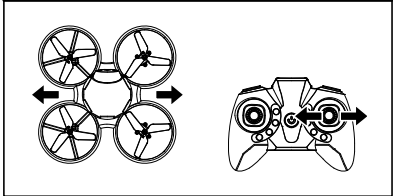
Push up or down on the right control stick and the drone will fly forward or backwards.

Turn Left And Right.



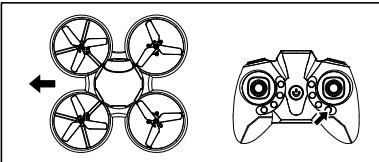
Push the left control stick left or right and the drone will rotate to the left or to the right.

Left Wing And Right Wing Control.

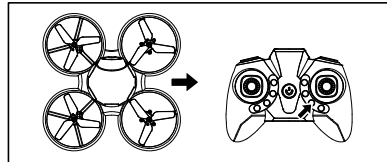


Push the right control stick left or right and the drone will fly to the left or to the right.

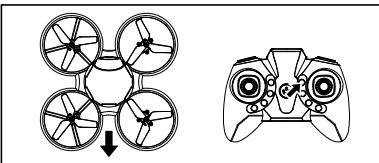
Setting Trim & Countering Drift



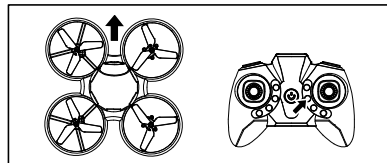
If the drone keeps drifting leftwards when hovering, press the right side-fly trimmer to adjust until it gets balanced.



If the drone keeps drifting rightwards when hovering, press the left side-fly trimmer to adjust until it gets balanced.



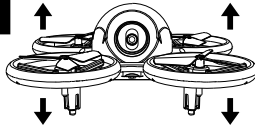
If the drone keeps flying backwards when hovering, press the forward trimmer to adjust until it gets balanced.



If the drone keeps flying forwards when hovering, press the backward trimmer to adjust until it gets balance.

Even after the drone is calibrated, it may show a tendency to drift while airborne. Adjusting the trim will help counter this effect and allow better control of the drone. But it will not entirely eliminate it. Air currents and other factors may still cause slight drift while airborne.

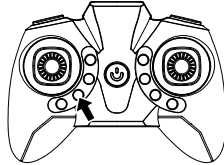
Altitude Hold



This drone is equipped with Altitude Hold function meaning this drone will hover steadily in the air.

During flight, altitude hold function allows you to release the throttle joystick and maintain its height, without descending to the ground.

Light Switch

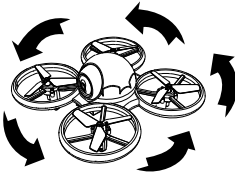


Press the light switch button to turn ON/OFF the lights of the drone.

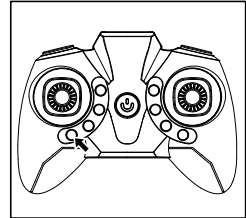
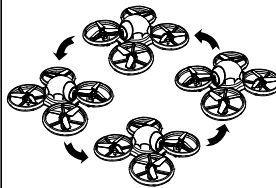
NOTE: Paired the drone before you press the light switch.

One Key Rotation/ One Key Spin

(A) One Key Rotation



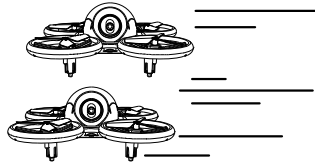
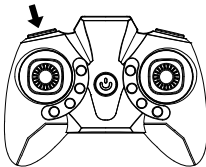
(B) One Key Spin



Short press the spin button, the drone will spin in a anticlockwise direction(A). And short press again to exit the spin mode(A). Long press the spin button, the drone will spin in a circles(B). And long press again to exit the spin mode(B). You can use the left control stick to adjust the height of the drone while in spin.

NOTE: Before you press the spin button, please make sure you fly the drone at least 8 feet away from any objects.

Speed Setting



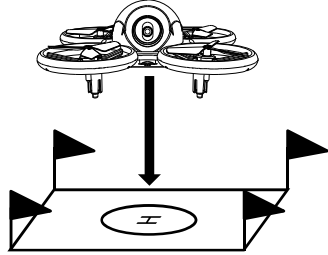
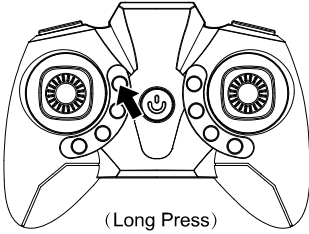
How Fast

Press the Speed button on the remote to change the drone's speed.

- **Low:** Provides smooth and predictable control of the drone. The remote will chime once to indicate the low speed setting.
- **Medium:** The drone will move and respond faster to all control inputs. The remote will chime twice to indicate the medium speed setting.
- **High:** Highest setting for maximum performance. The remote will chime three times to indicate the high speed setting.

Note: The 3 speed modes can only be cyclically changed in this order: low speed - medium speed - high speed - low speed.

Emergency Stop



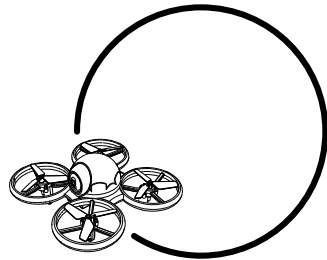
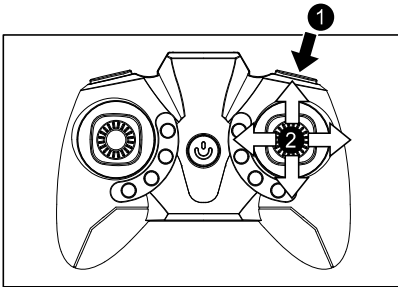
Note: The emergency stop function can be only used in case of emergency during the flight to avoid any of damage or injury.

For any reason, if you need to stop the drone, press the “Emergency Stop” button or pull the **left joystick** down to the lowest, the drone will stop the propellers from spinning. Be sure the ground is clear of any objects as this will command the rotor to shut down and crash land.

3D Flip Mode

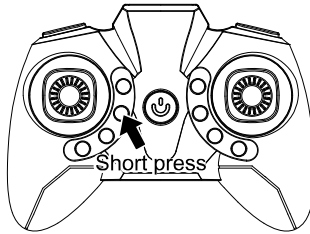
Before attempting a flip, be sure that there is enough clear space around the drone, ideally 9-10 ft. in all directions. It is not recommended to attempt to flip around or through any obstacles, as this may result in unintended damage.

Press the **Flip button** to activate Flip Mode, then move the Right Control Stick in any direction and the drone will perform a **flip** in the same direction. Press the **Flip button** again to deactivate without performing a flip.



Caution:the drone will perform these maneuvers best with a fully charged battery.

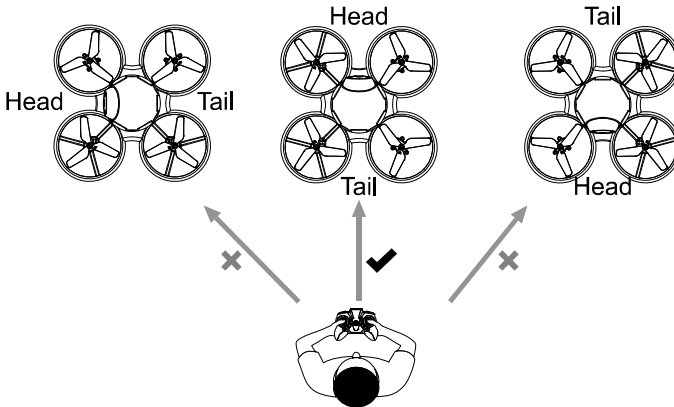
Headless Mode



NOTE: Do not use the Headless Mode until you totally comprehend the instructions For Use.

Flying in Headless Mode without sufficient experience might result in loss or damage to the device.

1. Place the drone in front of the pilot before pairing the drone to the transmitter. Make sure the head of the drone faces forward and the tail faces towards the pilot.
2. After pairing and calibration, press the Headless Mode button to enter Headless Mode function, A beep will be heard from the transmitter, and the led lights will slowly flash, indicates that drone is in headless mode.
3. Press the headless mode button again, you will hear a beep which indicates the drone exits the headless mode.
4. Under Headless Mode, the forward direction is the direction the pilot faces when the pilot pairs the drone with the transmitter.



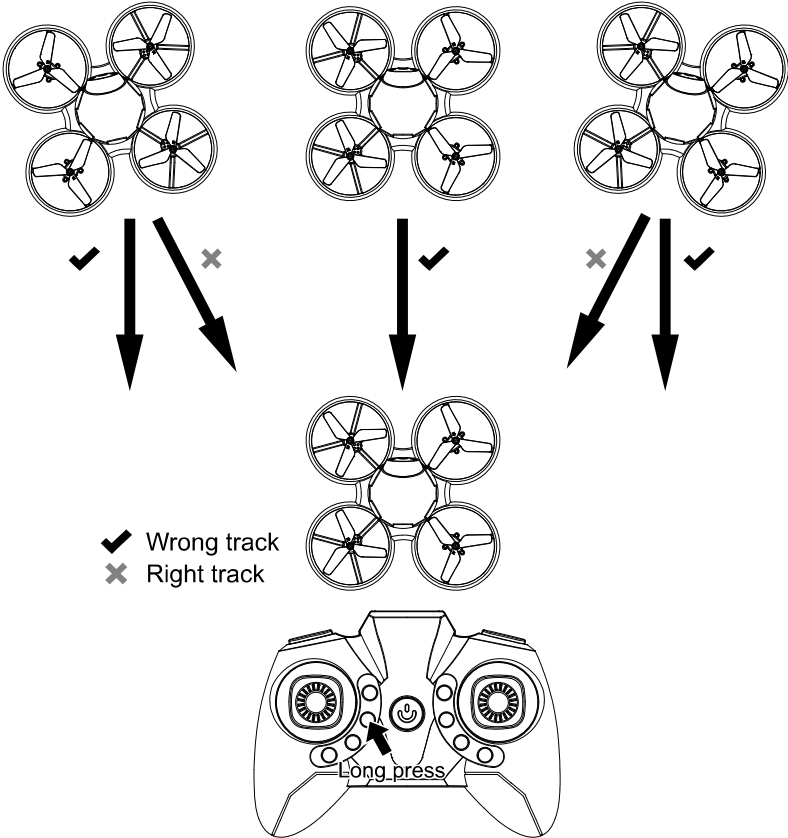
Please make sure the pilot to stay in the same orientation as the drone head faces when the drone takes off.

It is very important that the pilot does not change the direction or orientation he or she faces, otherwise the drone and transmitter will lose connection, causing controls to not perform as desired.

Please use Headless Mode and One Key Return function after you totally comprehend these functions; otherwise, it may result in the loss and/or damage of the drone.

One Key Return

Please avoid using this feature when the drone is near to the pilot, to avoid injury.



With a press of the One Key Return button, the drone will return towards the original direction of take-off.

You can rotate the right joystick in any direction to retake control of the drone and cancel the One Key Return Function.

It is recommended to use the return function when headless mode is activated.

NOTE: Please use one key return function after you totally comprehend these functions; otherwise, it may result in the loss and/or damage of the drone.

Trouble Shooting

PROBLEM	POSSIBLE CAUSES	SOLUTION
Drone does not respond to controls.	<ul style="list-style-type: none"> • No power to remote or drone. • Poor contact between power plugs. • drone is out of range. 	<ul style="list-style-type: none"> • Check remote batteries, replace if needed. • Check drone battery, be sure it is fully charged. • Be sure the power plugs are firmly connected. • Be sure the remote has an unobstructed line of sight to the drone. • Remain within the remote's 328ft. range.
Drone is difficult to control or flies erratically.	<ul style="list-style-type: none"> • Gyroscopes may be misaligned. 	<ul style="list-style-type: none"> • Power OFF remote and drone and reconnect (see pg. 7).
Drone drifts while in flight.	<ul style="list-style-type: none"> • Trim not set or needs adjustment. 	<ul style="list-style-type: none"> • Adjust trim settings (see pg. 8).
Drone suffers from mechanical trouble.	<ul style="list-style-type: none"> • Damage to body, propellers or other major components. 	<ul style="list-style-type: none"> • Repair or replace parts as needed.
LED lights ON but drone does not respond to controls.	<ul style="list-style-type: none"> • Low battery power. 	<ul style="list-style-type: none"> • Recharge the battery.

PRECAUTIONS

- 1.The remote-control distance will be shorten when the power of drone/transmitter is insufficient.
- 2.When the power of drone is insufficient, the drone would have trouble taking off or unable to fly high.
- 3.Please repair the drone in time when it is damaged.Don't fly the drone when it is seriously damaged(rotor wing breakage), or it might lead to injury.
- 4.Please remove the batteries or avoid the damage to the product caused by batteries leakage if you do not use the drone/transmitter for a long time.
- 5,Don't crash the drone from high altitude or crash it seriously, or might shorten its lifetime.

Contact Us:

Please feel free to reach us at our e-mail if you need further support. We are always at your service.
Email: **service2@dowellin.com**

FCC Warning Statement

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