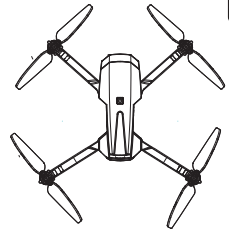
正面



AGES 14+

DRONE INSTRUTION MANUAL

MAIN FEATURES

- This drone has low speed/medium speed/high speed flight, short press the left remote control joystick, according to the number of beep sounds from the remote control to determine the aircraft gear, low speed (1 beep), medium speed (2 beeps)), high speed gear (3 beeps), low/medium/high gears are switched in sequence.
- The use of four-exis structure makes the aircraft move more flexible, fast, and has strong wind resistance
- Built-in six-axis gyro stabilizer, optical flow fixed point can ensure accurate positioning in the air.
- The structure adopts modular design, which is easy to install and maintain.
- 360°Stunt Flip Function.
- Headless mode function, can easily "recall" the aircraft.
- Air pressure hovering function
- One-key take-off/landing function.

The materials, specifications or items in the parts package in this manual are for reference only.

Safety Guide

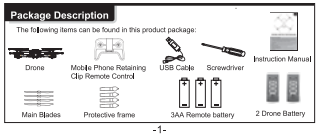
1.Please store the smaller-sized drone accessories in places that are out of reach of children.
2.This drone is very powerful.For all first-time flights, the left joystick must be slowly pushed up in order to prevent the drone from ascending too fast to avoid unnecessary collision and possible damage and injury.
3. When the flight is ended, first turn off the power of the remote control. Then turn off the power of the drone.
4.Avoid placing the batteries in places with high temperatures and exposure to heat.
5.Take extra precaution to ensure that the drone is at a minimum distance of 15 feet from the pilot, other people, and animals in order to prevent bodily injury during flight operation.A minimum separation distance of 2m must be maintained between the user's body and the device under normal use condition.
6.This drone is for people ages 14+. It must be flown always within the line of sight of the pilot (or instructor) and flown safely.
7.The non-rechargeable batteries of the remote control are not rechargeable, please pay attention to the polarity when installing or replacing the batteries; do not mix new and old or different types of batteries.
8.When the drone is not in use, please remove the batteries in the remote control.
9.The supply terminals are not be short-circuited.
10.Discharge the battery to 40%-50%(On a full charge, fly for half of the total flight time) if it will not be used for 10 days or more, this can greatly extend the battery life.

Repair and Maintenance

1.Use dry and soft cloth to clean this product.
2.Avoid exposing this product to heat.
3.Do not immerse this product in water, otherwise, the electronic parts will be damaged.
4.Transformers used with the toy are to be regularly examined for damage to the cord,plug, enclosure and other parts,and that,in the event of such damage,the toys must be used with this transformer until the damage has been repaired.

Package Description

The following items can be found in this product package:



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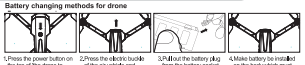
Blade Replacement Method

1.Use a screwdriver to replace the fan blade that needs to be replaced
2.As shown on left, the bladeA is mounted to the arm "A" position, and the blade B is mounted to the arm "B" position.

Battery Changing and Charging Methods for Drone

Battery changing methods for drone



1.Press the power button on the top of the drone to 1-2S make sure the drone is turned"OFF".
2.Press the electric buckle of the air vehicle and push it backward.
3.Pull out the battery plug from the battery socket.
4.Make battery be installed on the body,which must be installed in place.

Battery charging methods for drone

Connect the USB cable to the battery charging port, and then connect the other port of the USB cable to the USB power interface (5A). (The indicator light of the drone will turn on while charging and turn off when charging completes(it takes about 120 minutes to completely charge the battery.)

The charging time is about 120 minutes.

Precautions as follows during charging of battery:

- Avoid placing the active batteries in places with direct exposure,sunlight and high temperatures, For example: naked light or electrica equipment installations; otherwise it may cause damages or explosions .
- Avoid immersing the batteries in the water. The batteries shall be stored in a cool and dry place.
- Avoid dismantling the batteries.
- During the charging of battery, avoid leaving the charging place.
- 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 ;
- Caution: Risk of explosion if battery replaced by an incorrect type,dispose of used batteries according to the instructions.

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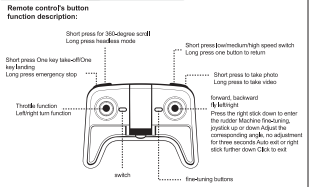
Understanding Your Remote Control

Remote control's button function description:



Understanding Your Remote Control

1, The methods to install the battery: open the battery cover on the back of the remote control, and correctly put in 3 AA alkaline batteries according to the electrode instructions of the battery box.

1.During the battery installation, it must be ensured that the polarities of the batteries are matched with that of the battery box. No battery shall be installed with the opposite polarity.
2.Do not use new and old batteries together.
3.Different types of batteries are not be mixed.
4.Do not use rechargeable batteries.

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Product Features

1.Two low/medium/high gear functions:
The default low-speed gear is turned on, but pressing the remote control speed gear can switch gears (1 beep is low-speed gear, 2 beeps is medium-speed gear, and 3 beeps is high-speed gear).

2.Low-voltage Protection:
When the indicator light on the rear of the aircraft starts to flash, it means that the power of the aircraft is low, please control the aircraft to return to home. When the power of the aircraft is insufficient and it cannot fly normally, the aircraft will automatically land slowly.

3.Over-current Protection:
If the drone encounters a direct impact from a foreign object,or is obstructed, or if the blades are not rotating, the drone will go into over-current protection mode.

4.Level Calibration Function:
Place the drone on a level surface and at the same time, push both left and right joysticks to the lower right corners for 2 to3 seconds;the rear LED light indicator on the drone will blink rapidly, and it will return back to the normal status after about 2 to 3 seconds. The level calibration is successful.

5.360° Stunt Flip Function:
When the basic movements are proficient, you can play - some thrilling somersaulting action. fly the quadcopter to a height of more than 2 meters, then press the scroll button and push the right joystick forward/ backward/left/right to At the highest point, the aircraft can roll forward/ backward/left/right.

Note: when the battery is fully charged, the rollover effect is the best. There is no way to roll under the status oflowelectricity.

6. Auto Hover Function:
After using the left joystick (throttle) to control the ascending / descending flight of the drone, release the left joystick(accelerator) and the drone will hover at that height when the joystick is released.

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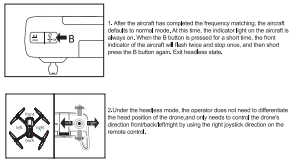
7.Headless Function:
1.Defining forward direction:

1. Push on the power button of the remote control.
2. Press the power button on the top of the drone to 1-2s make sure the drone is turned"ON" and adjust the specified direction of the drone's head under the headless mode as the new forward direc.
3. Push the left joystick (throttle) on the remote control up to the farthest position and then put it back to the middle position. When the remote control issues a long beep sound, it means the frequency and defining forward direction functions are completed.

2.Toggling between headless function and normal function:



1. After the aircraft has completed the frequency matching, the aircraft defaults to normal mode, At this time, the indicator light on the aircraft is always on, When the B button is pressed for a short time, the front indicator of the aircraft will flash twice and stop once, and then short press the B button again, Exit headless state.

2.Under the headless mode, the operator does not need to differentiate the head position of the drone,and only needs to control the drone's direction from thefront/back/left/right by using the right joystick direction on the remote control.

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背面

Flight Preparation and Switching the Drone On and Off

1. Flight preparation

Step 1: Push the power button of the remote control.

Step 2: Press the power button on the top of the drone to 1-2S make sure the drone is turned"ON"

Step 3: Push the left joystick (accelerator) up to the highest point and then push down to the lowest point. When the fast indicator lights in the drone change from quick flashing to continuous light, it means that the drone goes into the flight standby mode.

Step 4: Place the drone on a level surface and at the same time, push both left and right joysticks to the lower right corners for 2 to 3 seconds; the rear LED light indicator on the drone will blink rapidly, and it will return back to the normal status after about 2 to 3 seconds. The level calibration is successful.

2. Turning on the drone

Method 1: push the left joystick (accelerator) to the highest point and then back to the center, the blades of the drone start rotating slowly.

Method 2: When the aircraft is in a stationary state, press one key to take off/ land, and the aircraft will automatically rise to a certain height after the blades rotate slowly.

If the drone is out of the range of the flight, the indicator light will flash slowly, and then slow down. 2.When the aircraft is in flight, do not suddenly turn off or power off, the aircraft will automatically land slowly to crash.
If you turn on the remote control again during this process, you can re-code control.

3. Turning off the drone

Method 1: Push the left joystick (Accelerator)to the lowest level and hold there for 2 to 3 seconds, the drone can then be turned off.

Method 2: When the aircraft is in flight, press one key to take off/land, the aircraft will slowly descend to the ground and turn off the aircraft.

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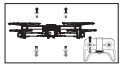
Drone Controlling Diagram

Operating direction

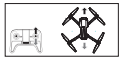
Ascending and descending control

When the left joystick (Accelerator) is pushed upwards or downwards,the drone will ascend or descend correspondingly.



Forward and backward control

When the right joystick (Direction Rudder) is pushed upwards or downwards, the drone will advance forward or backward correspondingly.



Left turning and right turning control

When the left joystick (Accelerator) is pushed towards the left or right,the drone will turn left or right correspondingly.

Left side flying and right side flying control

When the right joystick (Direction Rudder) is pushed towards the left or right, the drone will fly sideways to the left or right correspondingly.

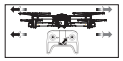
Trimming operation

Forward and backward trim control

Under the situationof the air vehicle hovering in the air, when the air vehicle exists the status of automatically flying forward /backward,it can be adjusted by pressing the front / back slight adjustment key until the air vehicle becomes stable.

Left/right side flight trim control

Under the situation of the air vehicle hovering in the air, when the air vehicle exists the status of automatically flying to the left / to the right, it can be adjusted by pressing the left / right slight adjustment key until the air vehicle becomes stable.



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Rectification Procedures

Problem	Reason	Solution
The drone has no response	1. The drone has entered into lowvoltage protectors. 2. When the power of the remote control is weak, the power light indicator will blink.	1. Charge up the drone. 2. Change the batteries of the remote control.
The flight response of the drone is not sensitive	1. The power of the remote control is weak. 2. There is an interference with the same frequency as that of the remote control.	1. Change the batteries. 2. Change to a place where there is no interference with the same frequency.
The drone is flying towards its side in one direction during hovering	1. The drone is not calibrated level to the ground.	1. Re-adjust the calibration until the drone is level to the ground. For further details, see No.3 on Page 5 for details (Function of horizontal adjustment).
In the headless state, it is based towards the front direction	1. Many collisions may cause head biasness.	1. Re-define the front direction. For further details, see on Page 6 for details (Headless Function).
Fixed high instability / up and down movement	1. The drone is not calibrated level to the ground. 2. Unstable air pressure under the severe weather condition. 3. Violent collision resulting in data disorder of gyroscope.	1. Re-adjust the calibration until the drone is level to the ground. For further details, see No.3 on Page 5 for details (Function of horizontal adjustment). 2. Avoid to fly under the severe weather condition. 3. Make horizontal adjustment again, see No.3 on Page 5 for details (Function of horizontal adjustment).

Any issues of product, pls contact us:

Email: support@mary4service.com

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APP OPERATING GUIDE

Download the QR code below or search "TERCASO FLY" in APP Store or Google Play to download the App.

Google play

For Smart Phone with Android 6.0+
Search and download "TERCASO FLY" from Google Play.
Or scan the QR code below to download.

For Smart Phone with IOS 12.0+
Search and download "TERCASO FLY" from App Store.
Or scan the QR code below to download.

Connect to the APP:

1. Turn on the drone.
2. Enter the "Settings" menu of your mobile device.
3. Then turn on "WiFi" and connect to the WiFi of "TERCASO_1810_XXXXXX"
4. Open the App, and you would see the real-time video from the drone camera, now you can start your flight!

Note: When using this APP for the first time, please disconnect the phone from the drone and use the data network or wifi to log in.

Data network or wireless wifi is required to log in to the "Support" page, please disconnect the mobile phone from the drone first.

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APP OPERATING GUIDE

1.Return
2.Take Photo
3.Record Video
4.Media
5.Speed: 30%/60%/100%
6.Reverse
7.Virtual Rocker
8.Switch The Camera
9.Virtual Reality
10.Gyro Calibrate
11.360° Roll
12.Support
13.Camera Facing Up Or Camera Facing Down
14/15. Up/Down
16/17. Left/Right Roll
18/19. Leftward/Rightward
20/21. Forward/Backward
22. Forward/Backward Trim
23. Left/Right Roll Trim
24. Left/Right Trim
25. One Key Take Off
26. One Key Landing
27. Forced Emergency Stop

Note: The word" Up" and "Down" signs are not functioning keys.
please use the throttle to control the drone.

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