GT4124   AGES 14+

R/C SKY DRONE

USER MANUAL

1

SAFETY & WARNINGS

Important Statement:
1) This product is a precise equipment that integrates machinery, electronics with air mechanics, and high frequency transmission. It should be installed and adjusted correctly to avoid accidents. The product user must always operate and control this product in a safe manner. We undertake no liability for human injury or property damage caused by 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.
3) The flying field must be legally approved by your government.

Safety Precautions:
Improper assembly, broken mainframe, defective electronic equipment, or unskilled operation may cause unpredictable accidents such as drone damage or human injury. Please pay special attention to the following safety procedures:
1) Keep away from obstacles and crowds.
The speed and status of a flying RC drone is uncertain and may cause potential danger. The user should keep the drone away from crowds, tall buildings, trees, power lines, etc. when operating the drone.
2) Keep away from wet and humid environments. Fly during good weather only.
The drone is made of precise electronic components. Humidity or moisture may damage electronic components, causing accidents. You may clean your drone by wiping it down with a dry piece of cloth.
3) Safe operation.
Please operate the RC drone in accordance with your physical status and drone operating skill. Fatigue, listlessness, and improper operation may increase the rate of accidents.
4) Steer clear of rotating parts.
Rotating parts can cause serious injury and/or damage. Keep face, hair, body, and loose clothing away from rotating motors.
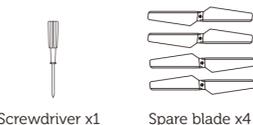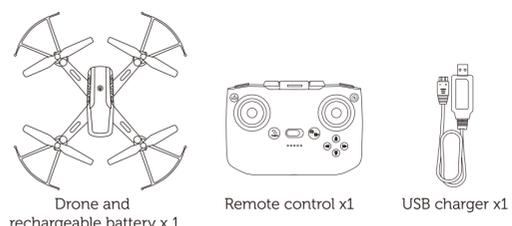**5) Keep away from heat.**
The RC drone is made of metal, fiber, plastic, electronic components, etc. Keep away from heat and direct sunshine to avoid distortion and damage.
6) Allow time for batteries to cool before removing.
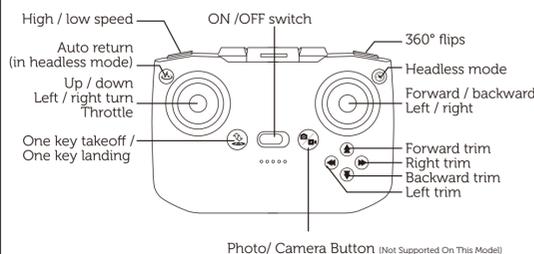**7) Allow time for the motors to cool before touching.**

2

BOX CONTENTS

Drone and rechargeable battery x 1

Remote control x1

USB charger x1

Screwdriver x1

Spare blade x4

3

PRODUCT DIAGRAM

Drone

Blade

ON /OFF switch

Protective blade guard

Landing gear

Remote Control

High / low speed

ON /OFF switch

Auto return (in headless mode)

360° flips

Headless mode

Up / down

Left / right turn

Throttle

Forward / backward

Left / right

One key takeoff / One key landing

Forward trim

Right trim

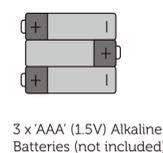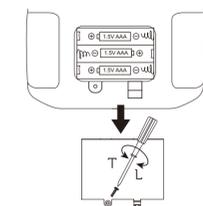Backward trim

Left trim

Photo/ Camera Button (Not Supported On This Model)

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REMOTE CONTROL BATTERY INSTALLATION

Battery installation: Remove battery cover on the back of the remote control and install 3 'AAA' alkaline batteries (not included) as directed.

3 x 'AAA' (1.5V) Alkaline Batteries (not included)

Loosen the screw using a screwdriver and open the battery cover. Refasten the screw after installing batteries.

Caution:
1. Make sure the batteries are installed correctly, facing the correct polarity.
2. Do not mix new and old batteries.
3. Do not mix different kinds of batteries.
4. Remove batteries when the RC is not in used for more than 30 days.

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BLADE INSTALLATION

Blade Installation
The blades must be installed in their indicated locations. Blades A/B must be installed in the respective A/B position on the body of the drone (see Diagram 2). If blades are installed incorrectly, the drone may not fly correctly.
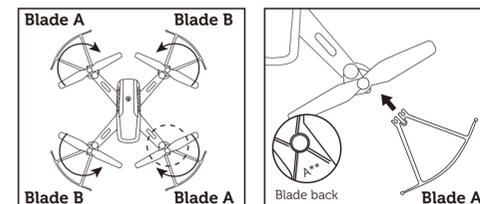
Blade A

Blade B

Blade B

Blade A

Blade back

Blade A

Diagram 2

BATTERY CHARGING

1. Turn off the drone and open the battery cover.
2. Unplug the battery from the drone and gently pull out the battery (see Diagram 3).
3. Connect the battery to the USB charge wire (see Diagram 4).
4. Plug the USB charge wire to any available USB port. The USB charge wire's red light will turn on.
5. Charging time is about 180 minutes. When the battery is fully charged, the USB charge wire's red light will turn off.
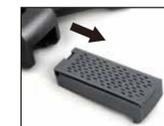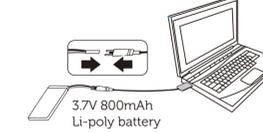
Diagram 3

3.7V 800mAh Li-poly battery

Diagram 4

Note:
• Only use the included USB charger to charge the battery.
• Charge battery using a power source with output power up to 5V 2A.
• Charge the battery on a dry, non-flammable flat surface. Never charge on carpet, rugs, or other soft materials.
• Never place battery on a heated surface or close to fires or heating devices.
• Never use the battery for any purpose other than with the drone
• Never place the battery in water. Store in a dry, cool place.
• Never attempt to disassemble the battery.
• Never leave batteries unsupervised while charging.

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CALIBRATION

To ensure smooth and stable flying, it is important to always calibrate your drone before flying. Calibration may be necessary in the case of difficulty operating after take off.
Upon pairing the remote control and drone, place the drone on a flat surface. Push both the left and right throttle as shown in Diagram and hold for 2-3 seconds to calibrate.
The RC will beep once and the drone LED lights start blinking, when the lights stop blinking, calibration is complete.
** Before flying the drone must be calibrated on a flat surface.
** If the drone does not work properly after impact, repeat these steps.

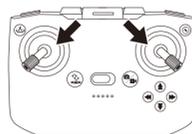## PRE-FLIGHT CHECK

Checklist before flight:
1. Flying area must be spacious.
2. Make sure the battery of the drone is fully charged and the batteries of the remote control are fresh.
3. Make sure the left throttle of the remote control is in a neutral position.

Pre-Flight Operations:
1. Push the ON/OFF switch to turn on the drone, the LED lights start blinking slowly.
2. Turn on the remote control, the RC will beep once , push left throttle all the way up and then all the way down to the end (see Diagram 5). Then the remote will beep once. It indicates the remote control and drone are paired.
3. Once the RC and drone are paired, you will need to calibrate the drone.
4. After the drone is calibrated, it is ready to fly.

Note: Make sure the drone is on a flat surface when you pair the remote control with the drone. Make sure the area is spacious before starting the blades.

Diagram 5

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FLYING OPERATION

To get your drone in the air with the throttles, you only need the left throttle on the remote control.
1. Push the left throttle of the remote control up very slowly. Then stop. Repeat until you are comfortable with the sensitivity of the left throttle.
2. Slowly push the left throttle up a little higher until the drone lifts off the surface. Push the left throttle all the way down to land the drone.

FLIGHT CONTROLS

1. To ascend or descend:
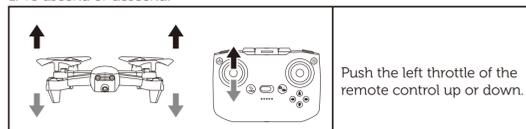
Push the left throttle of the remote control up or down.

2. To turn left or right:
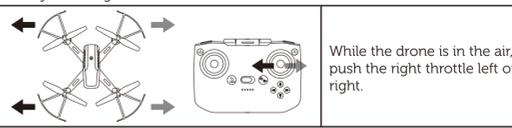
Push the left throttle of the remote control left or right.
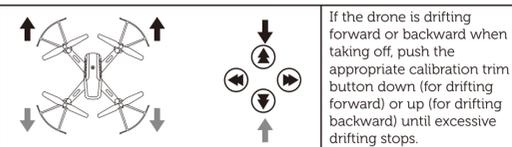
3. To fly forwards or backwards:

While the drone is in the air, push the right throttle up or down.

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4. To fly left or right:

While the drone is in the air, push the right throttle left or right.

5. If the drone drifts forward or backward

If the drone is drifting forward or backward when taking off, push the appropriate calibration trim button down (for drifting forward) or up (for drifting backward) until excessive drifting stops.

6. If the drone drifts to the left or to the right
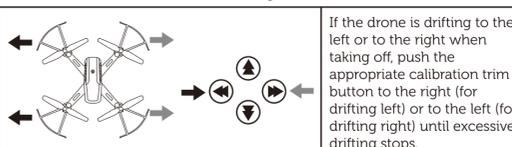
If the drone is drifting to the left or to the right when taking off, push the appropriate calibration trim button to the right (for drifting left) or to the left (for drifting right) until excessive drifting stops.

7. Multiple speed setting:
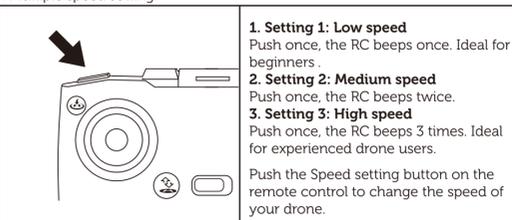
1. Setting 1: Low speed
Push once, the RC beeps once. Ideal for beginners .
2. Setting 2: Medium speed
Push once, the RC beeps twice.
3. Setting 3: High speed
Push once, the RC beeps 3 times. Ideal for experienced drone users.

Push the Speed setting button on the remote control to change the speed of your drone.

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DRONE FEATURES

HEADLESS MODE

Drones generally have a front and a back indicated by the LED lights or the colors of the blades. When flown in daylight or at a far distance, determining which side is the front or the back becomes difficult.

What is Headless mode?
The Headless mode feature allows the user to operate the drone without worrying about the orientation (where the front or the back of the drone is). Regardless of what direction the drone is facing, as long as you push the right throttle forward (or toward any other direction) on the remote control as you are flying, the drone will fly forward (or towards the respective direction of the right throttle). See Diagram 6 for a depiction of Headless mode vs. Default mode. This feature is great for beginners! By default, the drone is not in Headless mode.
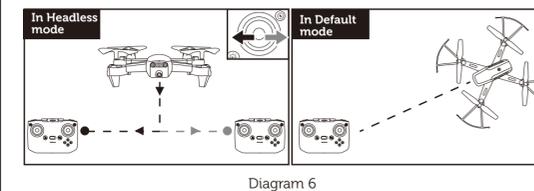
In Headless mode

In Default mode

Diagram 6

To turn on Headless mode:
Prerequisite: Position the drone on horizontal surface and be sure your remote control and the drone are both facing towards the front.
• After pairing drone and RC (see Pre-flight operations on Page 7), push the Headless mode button (see Diagram 7) and you will hear a beep. Lights on the drone will blink 2 times constantly and off and then repeat. Indicating the drone is now in the Headless mode.
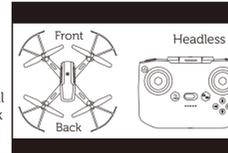
Front

Back

Headless

Diagram 7

To turn off Headless mode:
• Push the Headless mode button again to turn off Headless mode (see Diagram 7).

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AUTO RETURN

When in Headless mode, press the Return button on the remote control. The RC will beep once, and the drone will return toward the original path. Use the right throttle to assist the return.

Press the Return button again to stop the return, or push the right throttle forward to stop.

360° FLIPS

This drone can do 360° flip ariel stunts. When the drone is flying about 10 feet or higher in the air, push the 360° flip button on the remote control (see Diagram), the RC starts beeping, push the right throttle towards any direction. The drone will flip towards the respective direction. Drone will quit 360° flip mode when the RC stop beeping.

Drone cannot flip when power is too low.

NOTE: Drone tricks can take time and practice to master. Please familiarize yourself with basic flying techniques before attempting any tricks.

LOW BATTERY ALERT

When the drone has low battery, the LED lights on the drone will blink twice every second, you need to fly back the drone within 40 seconds. Once the LED lights start fast blinking 4 times every second, it means the drone will power off automatically within 10 seconds.

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TROUBLESHOOTING GUIDE

Problem	Possible Cause	Solution
Drone is not flipping	Insufficient battery power.	Recharge the drone battery and/or replace the remote control battery.
The blades on the drone are rotating but the drone is not flying	Insufficient battery power	Recharge the drone battery and / or replace the remote control battery.
The drone is drifting to one side	1. The drone is not calibrated well. 2. Drone needs to be adjusted for excessive drifting.	1. Repeat the calibration steps. 2. Push the appropriate trim control button.
The drone is not lifting off	1. The blades and / or blade guards may be obstructed. 2. Insufficient battery power. 3. The blades / blade guards may be damaged or inserted incorrectly.	1. Check and make sure the blades are turning and nothing is obstructing the blades. 2. Recharge the drone battery and / or replace the remote control battery. 3. Make sure the blades are installed in the correct indicated location. Replace blades if needed.

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