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karuisrc K600GPS-C

GPS Drone with Camera (Model: K600GPS-C)

Instruction Manual



1. INTRODUCTION

Thank you for purchasing the karuisrc K600GPS-C GPS Drone with Camera. This manual provides essential information for the safe operation, setup, and maintenance of your new drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to maximize your flying experience.



Figure 1.1: The karuisc K600GPS-C Drone and its Remote Control.

2. SAFETY INFORMATION

Operating a drone requires attention to safety. Failure to follow these guidelines may result in injury, damage to property, or legal issues. Always prioritize safety during flight.

- **Pre-Flight Check:** Ensure the drone and remote control batteries are fully charged. Inspect propellers for damage and ensure they are securely attached.
- **Environmental Conditions:** Fly in open areas, away from people, animals, buildings, and trees. Avoid flying in strong winds, rain, snow, or fog.
- **Line of Sight:** Always maintain visual line of sight with the drone during flight.
- **Altitude and Distance:** Adhere to local regulations regarding maximum flight altitude and distance.
- **Battery Safety:** Use only the provided charger and batteries. Do not overcharge or puncture batteries. Store batteries in a cool, dry place.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers.

- **Responsible Operation:** Do not operate the drone under the influence of alcohol or drugs. Respect privacy and do not fly over private property without permission.
- **Weight Classification:** This drone weighs under 249g, which may exempt it from certain registration requirements in some regions. Always check local aviation authority regulations.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- Drone x 1
- Remote Control x 1
- Battery x 1
- Propeller x 4 (spare)
- Screwdriver x 1
- USB Cable x 1
- Carrying Case x 1
- 32GB SD Card x 1

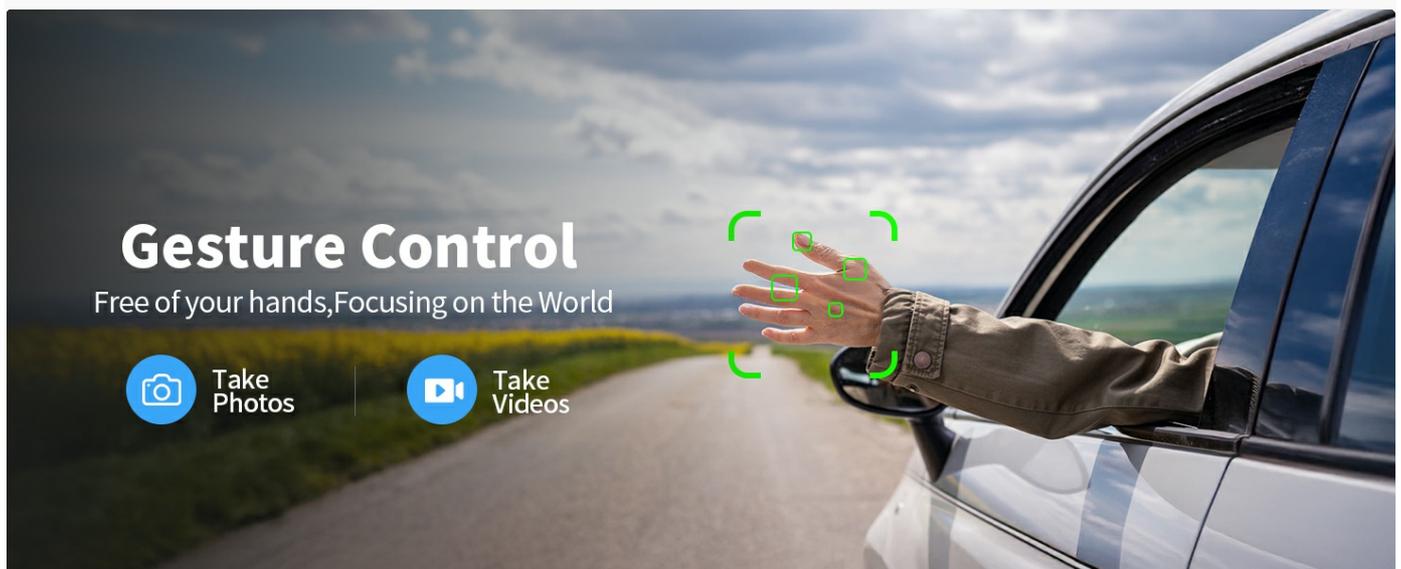


Figure 3.1: All components included in the K600GPS-C package.

4. PRODUCT OVERVIEW

4.1 Drone Components

Familiarize yourself with the key parts of your K600GPS-C drone:

- **Propellers:** Four rotating blades for lift and propulsion.
- **Motors:** Power the propellers.
- **HD Camera:** Front-facing camera for photo and video capture, with 90° electric adjustment.
- **Optical Flow Sensor:** Located on the bottom, assists with stable hovering indoors.
- **Battery Compartment:** Houses the drone's flight battery.
- **GPS Module:** Enables precise positioning and intelligent flight features.

1080P HD Camera



Dual
Cameras



90° Electric
Adjustment

Figure 4.1: Detail of the drone's 1080p HD Camera with adjustable angle.

4.2 Remote Control Features

The remote control is your primary interface for operating the drone. It features a built-in 4.5" HD LCD screen for real-time video transmission.

- **4.5" HD LCD Screen:** Displays live video feed from the drone's camera and flight data, eliminating the need for a smartphone.
- **Control Sticks:** Left stick for throttle and yaw, right stick for pitch and roll.
- **Function Buttons:** Dedicated buttons for features like One-Key Takeoff/Landing, Auto Return, Photo/Video capture, and Speed Mode.
- **Antennas:** For stable signal transmission to the drone.

High-resolution 4.5-inch LCD screen



Figure 4.2: The remote control with integrated 4.5" HD LCD screen.

5. SETUP

5.1 Charging Batteries

Before first use, fully charge both the drone battery and the remote control battery.

- Connect the drone battery to the provided USB charging cable. Connect the USB cable to a 5V/2A USB power adapter (not included).
- The remote control supports TPC charging. Connect the remote control to a USB power source using the provided USB cable.
- Charging indicators will show the charging status. Once fully charged, disconnect the batteries.

5.2 Battery Installation

- **Drone Battery:** Insert the charged drone battery into the battery compartment on the rear of the drone until it clicks

into place.

- **Remote Control Battery:** The remote control has a built-in rechargeable battery. Ensure it is fully charged as per section 5.1.

5.3 Propeller Installation

If propellers are not pre-installed or need replacement:

- Match the propellers with the corresponding motor arms (usually marked A and B).
- Use the provided screwdriver to securely attach the propellers to the motor shafts. Do not overtighten.

5.4 Initial Pairing and Calibration

- Place the drone on a flat, level surface.
- Power on the drone, then power on the remote control.
- Wait for the drone and remote control to pair automatically. The indicator lights on the drone will change from flashing to solid.
- Perform gyroscope calibration by moving both control sticks to the bottom-right corner simultaneously until the drone lights flash rapidly and then become solid.
- For GPS mode, take the drone outdoors to an open area. Wait for the drone to acquire sufficient GPS satellites (indicator lights will confirm GPS lock).

6. OPERATION

6.1 Basic Flight Controls

The K600GPS-C is designed for ease of use, making it suitable for beginners.

- **One-Key Takeoff/Landing:** Press the dedicated button on the remote control to automatically take off or land.
- **Throttle (Left Stick Up/Down):** Controls the drone's altitude.
- **Yaw (Left Stick Left/Right):** Rotates the drone horizontally.
- **Pitch (Right Stick Up/Down):** Moves the drone forward or backward.
- **Roll (Right Stick Left/Right):** Moves the drone left or right (sideways).
- **Speed Modes:** Adjust flight speed for different skill levels or wind conditions.

6.2 Intelligent Flight Features

Leverage the drone's advanced GPS capabilities for enhanced flight experiences.

- **Intelligent Return to Home (RTH):** The drone will automatically return to its takeoff point under the following conditions:
 - Low Battery Return: When the battery level is critically low.
 - Lost Signal Return: If the connection between the drone and remote control is lost.
 - One-Key Return: Manually activated by pressing the RTH button on the remote.
- **Follow Me Mode:** The drone will automatically follow the remote control, keeping you centered in the frame. Ensure sufficient GPS signal for this feature.
- **Gesture Control:** Perform specific hand gestures in front of the camera to trigger photo or video recording. Refer to the remote control's display for gesture recognition indicators.

Beginners Friendly

Perfect for travelers seeking hassle free aerial photography in any environment.



Figure 6.1: Intelligent Return to Home (RTH) functionality.

Intelligent RTH

Equipped with a GPS-based positioning system.



Out of RC Distance



Low Battery Return



No Signal Return

Figure 6.2: Drone utilizing Follow Me mode.

22 Mins



2200 mAh

Flight begins with a powerful battery



Support TPC Charging



Long Battery Life

Figure 6.3: Gesture Control for photo and video capture.

6.3 Camera and SD Card Usage

The K600GPS-C is equipped with a 1080p HD camera capable of capturing high-quality photos and videos, stored on the included 32GB SD card.

- **Photo/Video Capture:** Use the dedicated buttons on the remote control to take photos or start/stop video recording.
- **Adjustable Camera Angle:** The camera angle can be adjusted electrically via the remote control for optimal framing.
- **SD Card:** Insert the 32GB SD card into the drone's SD card slot before flight. All captured media will be saved directly to this card.
- To access media, remove the SD card from the drone and insert it into a card reader connected to a computer.



Figure 6.4: SD Card slot for media storage.

Proper maintenance ensures the longevity and optimal performance of your drone.

- **Cleaning:** After each flight, gently wipe the drone and remote control with a clean, dry cloth. Remove any dust, dirt, or debris from the motors and propellers.
- **Propeller Inspection:** Regularly check propellers for cracks, bends, or chips. Replace damaged propellers immediately using the provided spares.
- **Battery Care:** Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures. Do not store fully charged or completely depleted batteries for extended periods. Charge them to about 50% for long-term storage.
- **Storage:** When not in use, store the drone and all accessories in the provided carrying case to protect them from damage.

8. TROUBLESHOOTING

If you encounter issues with your K600GPS-C drone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not respond to remote control.	Not paired, low battery, out of range.	Ensure both drone and remote are powered on and paired. Recharge batteries. Fly within operational range.
Drone drifts during flight.	Gyroscope not calibrated, strong wind.	Perform gyroscope calibration on a flat surface. Avoid flying in windy conditions.
Poor video transmission or freezing.	Interference, drone too far, low battery.	Fly in an open area away from obstacles. Keep drone within optimal transmission range (within 50 meters for best video). Ensure batteries are charged.
Drone does not return to home point accurately.	Weak GPS signal, strong wind, RTH initiated indoors.	Ensure strong GPS signal before takeoff. Avoid strong winds. RTH is designed for outdoor GPS-enabled flight.
Battery not charging.	Faulty cable/adaptor, battery issue.	Try a different USB cable and power adapter. If issue persists, contact customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	karuisrc
Model Name	K600GPS-C
Model Number	JRSMY2026043001
Dimensions	9"L x 7.3"W x 5"H
Item Weight	2.27 pounds (under 249g for drone itself, total package weight is 2.27 lbs)
Video Capture Resolution	1080p (4K quality photos)
Connectivity Technology	Wi-Fi (5GHz Transmission)

Feature	Detail
Special Features	Auto Follow, Auto-Landing, GPS Positioning, Gesture Control, 4.5" HD LCD RC Screen
Battery Type	Lithium Ion (2200 mAh)
SD Card Support	Up to 32GB (32GB SD Card included)
Control Type	Remote Control
Material	Plastic
Skill Level	All (Beginner-friendly)

10. WARRANTY AND SUPPORT

karuisrc is committed to providing high-quality products and customer satisfaction. For any inquiries, technical support, or warranty claims, please contact us using the information below.

- **Customer Service Phone:** +44 7419 298225
- **Customer Service Email:** Karuisrc@gmail.com
- **Return Policy:** This product is eligible for a 30-day refund/replacement policy from the date of purchase. Please refer to your retailer's specific return guidelines for detailed information.



Figure 10.1: Dedicated customer support for karuisrc products.