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GoolRC S2S

GoolRC S2S Drone User Manual

Model: S2S
Brand: GoolRC



Image: The GoolRC S2S Drone, its remote controller, and three batteries, all neatly arranged, highlighting the product's main components.

1. INTRODUCTION

The GoolRC S2S Drone is a sophisticated and user-friendly quadcopter designed for both beginners and experienced pilots. Featuring a 6K dual camera system, brushless motors, and advanced obstacle avoidance, it offers a stable and high-quality aerial photography and videography experience. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting.

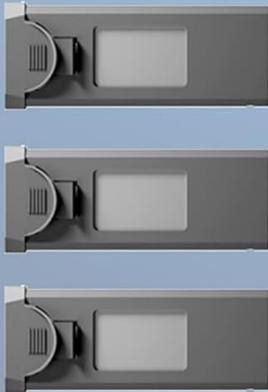
2. PACKAGE CONTENTS

Verify that all items are present in your package:

- RC Drone
- Remote Controller
- Drone Battery (x3)
- Charging Cable
- Propeller (spare set)
- Screwdriver
- Storage Bag
- User Manual

6K**3 Battery**

Remote Control*1



Battery*3



Charging cable*1



Spare fan blades*8



Operation manual*1



Screwdriver*1



Storage bag*1



APP manual*1

Image: A visual representation of all components included in the GoolRC S2S Drone package, including the drone, remote, batteries, and accessories.

3. PRODUCT OVERVIEW AND FEATURES

The GoolRC S2S Drone is equipped with several advanced features for enhanced flight and imaging:

- **6K Dual Camera:** Capture stunning high-definition photos and videos with both front and bottom cameras.
- **Brushless Motor:** Provides stable flight, strong wind resistance, and extended motor lifespan.
- **360° Omnidirectional Obstacle Avoidance:** Automatically detects and avoids obstacles for safer flight.
- **Optical Flow Positioning:** Ensures stable hovering indoors and outdoors.
- **Gesture Photo/Video:** Initiate photo or video recording with simple hand gestures.
- **Trajectory Flight:** Draw a flight path on the app, and the drone will follow it automatically.
- **Altitude Hold Mode:** Maintains a consistent altitude for stable hovering.
- **Headless Mode:** Simplifies control by eliminating the need to adjust the drone's orientation.
- **3D Flips:** Perform acrobatic maneuvers with ease.

- **2.4GHz Control Frequency:** Ensures strong anti-interference ability and long transmission distance.
- **Modular Battery:** 3.7V 1800mAh capacity provides 20-25 minutes of flight time.

Camera System



Image: Close-up view of the drone's 6K electrical camera lens, emphasizing its high-definition imaging capabilities.

Dual camera switch More comprehensive angle

Gao Liang Night Air Lights are not afraid of flying at night



Image: Illustration showing the dual camera system of the drone, allowing switching between front and bottom cameras for comprehensive angle coverage.

Obstacle Avoidance

360 ° four -way laser obstacle avoidance

Precise detection and perception of comprehensive guardianship



Image: The drone demonstrating its 360-degree four-way laser obstacle avoidance system, highlighting its precise detection capabilities.

Brushless Motor

Upgrade motor

Brushless power level 7 anti -wind resistance

4^{One}

Brushless
Motor

3200^{change}

Power
output

7^{class}

Strong wind
resistance



Image: A detailed view of the drone's brushless motor, illustrating its power and anti-wind resistance features.

Official Product Video

Your browser does not support the video tag.

Video: An official product video showcasing the GoolRC S2S Drone's key features, including its folding design, one-click takeoff, optical flow localization, brushless motor, 4K camera, real-time transmission, 360-degree obstacle avoidance, intelligent follow mode, 360-degree roll, gesture photography, trajectory flight, and one-click landing.

4. SETUP

4.1 Battery Installation

1. Ensure the drone and remote controller are powered off.
2. Insert the fully charged drone battery into the battery compartment on the drone until it clicks into place.
3. For the remote controller, open the battery cover and insert the required batteries (refer to the remote controller diagram for type and polarity).

4.2 Propeller Installation

The propellers are typically pre-installed. If replacement is needed, ensure you match the correct propeller (A or B) to the corresponding motor arm as indicated on the drone.

4.3 Remote Controller Setup



Image: A detailed diagram of the GoolRC S2S Drone's remote controller, labeling each button and stick for easy identification and understanding of its functions.

Familiarize yourself with the remote controller layout:

- **Power Switch:** Turns the controller on/off.
- **Throttle Stick:** Controls altitude (up/down) and rotation (left/right).
- **Directional Rod:** Controls forward/backward and left/right movement.
- **Headless Mode Button:** Activates/deactivates headless mode.
- **One Button Control:** For one-key takeoff/landing.
- **Speed Switching:** Adjusts flight speed.
- **Lens Up/Down:** Adjusts camera angle.
- **Avoiding Obstacles Switch:** Toggles obstacle avoidance.
- **Photo/Video Button:** Takes photos or starts/stops video recording.
- **One-touch Roll:** Initiates 360-degree flips.

4.4 App Download and Connection

Download the official GoolRC S2S app from your device's app store. Power on the drone and connect your smartphone to the drone's Wi-Fi network. Open the app to establish a connection and view the real-time FPV feed.

5. OPERATING INSTRUCTIONS

5.1 Basic Flight

1. **Pairing:** Power on the drone and remote controller. Push the throttle stick up then down to pair.
2. **One-Key Takeoff:** Press the one-key takeoff button on the remote, or push both sticks down and out to start the motors, then push the throttle stick up.
3. **Hovering:** The optical flow positioning system helps the drone maintain a stable hover.
4. **Landing:** Press the one-key landing button, or slowly pull the throttle stick down until the drone lands.



Image: The drone demonstrating its streaming precision positioning, allowing for stable indoor and outdoor hovering.

5.2 Advanced Flight Modes

- **Gesture Photo/Video:** While the drone is in the air, face its camera and make specific hand gestures (e.g., V-sign for photo, open palm for video) to trigger recording.
- **Trajectory Flight:** In the app, draw a desired flight path on the screen. The drone will automatically follow this path.

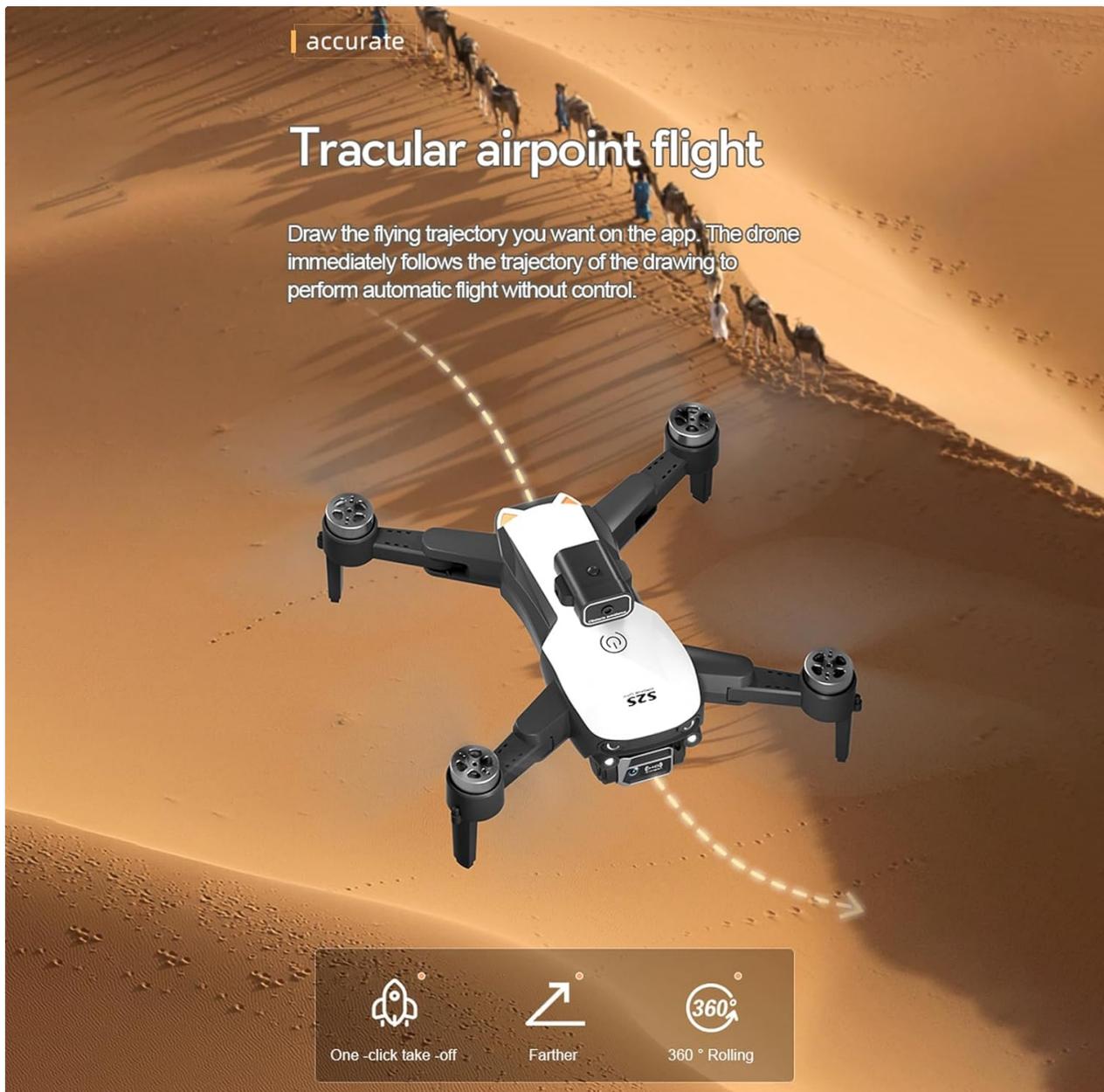


Image: The drone performing a trajectory flight, following a pre-drawn path on the application interface.

- **Intelligent Follow:** Activate this mode in the app, and the drone will automatically follow the subject it identifies.
- **3D Flips:** Press the 3D flip button on the remote and move the directional stick to perform a flip in the desired direction.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your GoolRC S2S Drone.

6.1 Cleaning

- Wipe the drone's body with a soft, dry cloth after each flight to remove dust and debris.

- Gently clean the camera lens with a microfiber cloth to ensure clear image quality.
- Inspect motors and propellers for any trapped dirt or foreign objects.

6.2 Propeller Replacement

If propellers are damaged or bent, replace them immediately using the provided screwdriver and spare propellers. Ensure you install the correct type (A or B) on the designated motor arm.

6.3 Battery Care

- Always use the original charging cable provided.
- Do not overcharge or over-discharge the batteries.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge batteries to approximately 50% capacity.

7. TROUBLESHOOTING

If you encounter issues with your GoolRC S2S Drone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not power on	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted. Check for a power button on the drone itself.
No FPV feed in app	Wi-Fi not connected or app not launched correctly.	Verify phone is connected to drone's Wi-Fi. Restart app and drone.
Unstable flight / Drifting	Drone not calibrated; damaged propellers; strong wind.	Perform gyroscope calibration (refer to app instructions). Replace damaged propellers. Avoid flying in strong winds.
Camera not recording/saving	No storage medium; insufficient storage space.	The GoolRC S2S drone typically saves media directly to your connected smartphone via the app. Ensure your phone has sufficient storage space. This model does not feature an onboard microSD card slot for direct storage on the drone.
Remote controller not responding	Low battery in controller; not paired.	Replace controller batteries. Re-pair the controller with the drone.

8. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	GoolRC
Model Name	S2S
Age Range (Description)	Adult (Manufacturer recommended: 16 years and up)
Color	Black
Video Capture Resolution	1080p (6K Dual Camera for high-definition capture)
Connectivity Technology	Wi-Fi
Battery Capacity	1800 Milliamp Hours (3.7V LiPo)
Flight Time	20-25 minutes
Control Type	Remote Control
Material	Plastic
Product Dimensions	7.09"L x 6.57"W x 3.27"H
Item Weight	1.45 pounds
Optical Sensor Technology	CMOS or CCD
Supported Image Format	JPEG
Video Output Resolution	1920x1080 Pixels

9. WARRANTY AND SUPPORT

GoolRC products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included in your product packaging or visit the official GoolRC website.

If you require technical assistance, have questions about operation, or need to report a defect, please contact GoolRC customer support through the following channels:

- Refer to the contact information provided in your product's user manual.
- Visit the GoolRC official website for support resources and contact forms.
- Contact the seller directly through the platform where the product was purchased.

Please have your product model number (S2S) and purchase details ready when contacting support.