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› S2S GPS Drone User Manual

PREVCHA S2S

S2S GPS Drone User Manual

Model: S2S | Brand: PREVCHA



1. INTRODUCTION

Thank you for purchasing the PREVCHA S2S GPS Drone. This professional remote-controlled quadcopter is equipped with advanced features such as 4K/6K dual cameras, obstacle avoidance, WiFi FPV, and brushless motors, designed to provide an exceptional flying experience for adults. Please read this manual thoroughly before operating the drone to ensure safe and optimal performance. Keep this manual for future reference.

Safety Precautions

- Always operate the drone in open areas, away from people, animals, and obstacles.
- Do not fly near airports, restricted airspace, or sensitive areas.
- Ensure the battery is fully charged before each flight.
- Do not fly in strong winds or adverse weather conditions.
- Keep fingers and loose clothing away from rotating propellers.
- Children should only operate the drone under adult supervision.

2. PACKAGE CONTENTS

Please check all items against the list below. If any items are missing or damaged, contact your retailer.

- 1 x S2S GPS Drone
- 1 x Remote Control
- 1 x Drone Battery (1800 mAh)
- 1 x USB Charging Cable
- 8 x Spare Propellers
- 1 x Screwdriver

- 1 x Storage Bag/Case
- 1 x User Manual

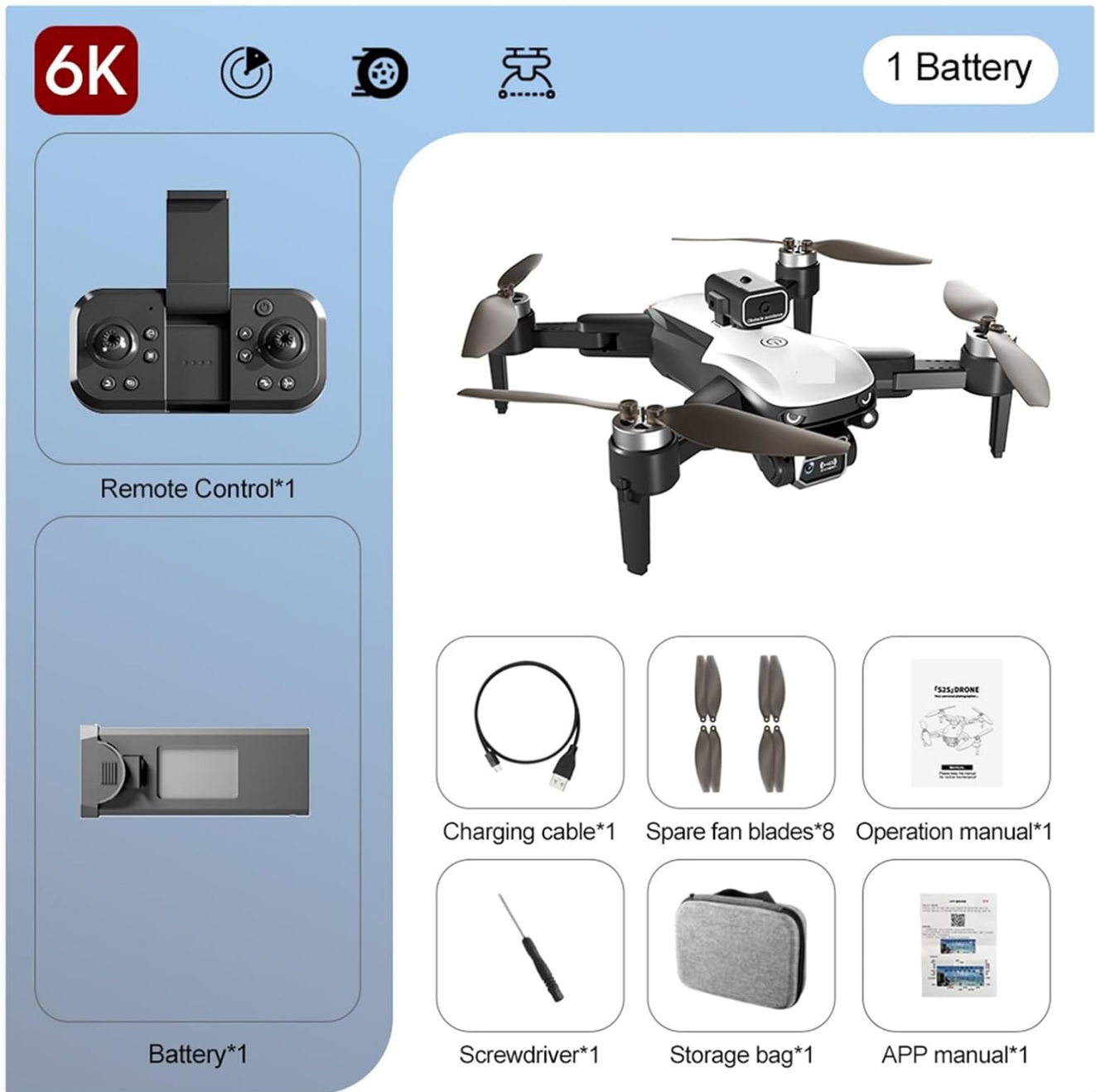


Figure 2.1: Complete package contents of the S2S GPS Drone.

3. SETUP

3.1. Battery Installation

1. Ensure the drone is powered off.
2. Locate the battery compartment on the rear underside of the drone.
3. Insert the 1800 mAh drone battery into the compartment, ensuring it clicks into place securely.
4. Close the battery compartment cover.



Figure 3.1: Inserting the 1800 mAh module battery into the drone.

3.2. Propeller Installation (if required)

The drone may come with propellers pre-installed. If not, or if replacement is needed:

1. Identify the 'A' and 'B' markings on the propellers and motor arms.
2. Attach 'A' propellers to 'A' motor arms and 'B' propellers to 'B' motor arms.
3. Secure the propellers using the provided screwdriver and screws.

3.3. Remote Control Setup

1. Install 3x AA batteries (not included) into the remote control's battery compartment.
2. Extend the phone holder on the remote control and securely place your smartphone.

2.4GHz high frequency return

The transmission distance is long, the anti-interference ability is strong



Figure 3.2: Remote control with smartphone for FPV and control.

3.4. App Installation

Download the dedicated drone control app from your smartphone's app store (iOS or Android). Search for "S2S Drone" or scan the QR code provided in the quick start guide (if applicable).

4. OPERATING INSTRUCTIONS

4.1. Powering On/Off

- **To Power On Drone:** Press and hold the power button on the drone until the indicator lights turn on.
- **To Power On Remote Control:** Press the power button on the remote control.
- **Pairing:** The drone and remote control should automatically pair. If not, follow the pairing instructions in the app or quick start guide.
- **To Power Off:** Press and hold the power button on both the drone and remote control until the lights turn off.

4.2. Calibration

Before each flight, it is crucial to calibrate the drone's gyroscope and compass for stable flight. Refer to the app's instructions for precise calibration steps, typically involving specific stick movements on the remote control or prompts within the app.

4.3. Takeoff and Landing

- **Automatic Takeoff/Landing:** Press the one-key takeoff/landing button on the remote control or within the app. The drone will automatically ascend to a safe height or descend and land.
- **Manual Takeoff:** After calibration, push both joysticks down and outwards to unlock the motors. Then, slowly push the left joystick (throttle) upwards to take off.
- **Manual Landing:** Slowly pull the left joystick (throttle) downwards until the drone lands. Once landed, push both joysticks down and inwards to lock the motors.

4.4. Flight Modes and Features

- **GPS Positioning:** The S2S drone utilizes GPS for precise positioning and stable hovering, especially outdoors. Ensure a strong GPS signal before flight.
- **Obstacle Avoidance:** The drone is equipped with obstacle avoidance sensors to detect and bypass obstacles, enhancing flight safety.
- **WiFi FPV (First Person View):** Connect your smartphone to the drone's WiFi network to view real-time video feed from the drone's camera.
- **Brushless Motors:** Provides powerful, efficient, and quieter flight performance with increased durability.

accurate

Streaming precision positioning

Quickly recognize high-frequency chips to achieve indoor and outdoor stabilization hovering



Figure 4.1: The drone utilizing streaming precision positioning for stable flight.

4.5. Camera Operation

The S2S drone features a dual camera system with 4K/6K capabilities (as advertised) and a 720p recording resolution.

- **Front Camera:** The primary camera for high-definition aerial photography and videography.
- **Bottom Camera:** Provides an additional perspective, useful for precise landing or different viewing angles.
- **Photo/Video Capture:** Use the dedicated buttons on the remote control or the app interface to take photos or start/stop video recording.

6K lens electrical camera

High -definition image imaging effect, highly restore the picture, clearly shoot a blockbuster



Figure 4.2: Detail of the 6K lens electrical camera.

Dual camera switch More comprehensive angle

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



Figure 4.3: Dual camera perspectives (front and bottom).

4.6. Charging the Battery

Use the provided USB charging cable to charge the drone battery. Connect the cable to a USB power adapter (e.g., phone charger, computer USB port). The charging indicator light will show charging status and turn off when fully charged. A full charge provides approximately 25 minutes of flight time.

5. MAINTENANCE

5.1. Cleaning

Regularly clean the drone body, propellers, and camera lens with a soft, dry cloth. Avoid using harsh chemicals or liquids that could damage the electronics.

5.2. Propeller Replacement

If propellers are damaged or bent, replace them immediately using the spare propellers and screwdriver provided. Ensure correct 'A' and 'B' propeller placement.

5.3. Battery Care

- Store batteries in a cool, dry place.
- Do not overcharge or over-discharge batteries.
- If not used for extended periods, charge the battery to about 50% before storage.
- Dispose of damaged batteries responsibly according to local regulations.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Battery is not charged or not installed correctly.	Charge the battery fully. Reinstall the battery securely.
Drone cannot connect to remote control.	Not paired, or remote control batteries are low.	Ensure both are powered on. Re-pair according to manual. Replace remote control batteries.
Unstable flight/Drifting.	Drone not calibrated properly. Strong winds.	Perform gyroscope and compass calibration. Fly in calm conditions.
No FPV video feed.	Phone not connected to drone's WiFi. App issue.	Connect your phone to the drone's WiFi network. Restart the app and drone.
Obstacle avoidance not working.	Sensors are dirty or obstructed. Feature disabled.	Clean sensors. Ensure feature is enabled in the app.

7. SPECIFICATIONS

Feature	Detail
Brand	PREVCHA
Model Name	S2S
Item Weight	10 Grams
Manufacturer Reference	1005005758482108
Video Recording Resolution	720p (Camera advertised as 4K/6K capable)
Connectivity Technology	Bluetooth, Wi-Fi
Battery Capacity	1800 mAh
Video Capture Format	MP4
Remote Control Technology	Radio Waves (2.4GHz)

Feature	Detail
Flight Time	Approx. 25 minutes (per 1800 mAh battery)
Features	GPS Positioning, Obstacle Avoidance, Dual Camera, Brushless Motors, Foldable Design

8. WARRANTY INFORMATION

PREVCHA products are manufactured to the highest quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear. For specific warranty terms and conditions, please refer to the warranty card included in your package or contact customer support.

9. SUPPORT

If you encounter any issues or have questions regarding your PREVCHA S2S GPS Drone, please do not hesitate to contact our customer support team. We are here to help you get the most out of your product.

- **Email:** support@prevcha.com (example)
- **Website:** www.prevcha.com (example)
- **Phone:** +1-XXX-XXX-XXXX (example)

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

