

## Zuhafa S6

# Zuhafa S6 RC Drone User Manual

Model: S6

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## 1. INTRODUCTION

The Zuhafa S6 RC Drone is a versatile quadcopter equipped with a 720P FPV Wi-Fi HD camera, designed for both indoor and outdoor use. It features a 90° adjustable camera angle for capturing high-quality aerial photos and videos, offering real-time viewing directly from your remote control or connected smart device. This drone incorporates multiple functions to enhance the flight experience, including one-key take-off/return, headless mode, 360° flips, gravity sensor mode, voice command control, VR mode, track route, 3 speed modes, altitude hold, and emergency stop.

The drone can be controlled via a dedicated app named "BJ-UFO," available on both iOS and Android platforms. This app supports five languages: English, Chinese, French, German, and Japanese. Real-time image and video transmission is facilitated by linking to the drone's Wi-Fi, allowing users to view and save FPV footage directly on their phone.

## 2. SETUP

### 2.1 Battery Installation and Charging

Before first use, ensure the drone battery is fully charged. The drone uses a 3.7V, 750mAh battery. Insert the charged battery into the designated compartment on the drone.



Image: Illustration of battery insertion into the drone, showing the battery specifications (3.7V, 2.8Wh, 750mAh) and an indicator for up to 12 minutes of flight time.

## 2.2 App Installation

Download the "BJ-UFO" application from your device's app store (iOS App Store or Android Play Store). Install the app on your smartphone or tablet.

## 2.3 Pairing and Calibration

1. Power on the drone and the remote control.
2. Connect your smartphone to the drone's Wi-Fi network (usually named "BJ-UFO-XXXXXX").
3. Open the "BJ-UFO" app.
4. Perform gyroscope calibration as instructed in the app or remote control manual to ensure stable flight.

# 3. OPERATING INSTRUCTIONS

## 3.1 Basic Flight Controls

- **One Key Take-off/Return:** Press the designated button on the remote or in the app for automatic take-off or to return the drone to its starting point.
- **Altitude Hold:** The drone maintains a stable altitude, allowing for easier control and clearer aerial photography.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, eliminating the need to adjust its position before flight.
- **3 Speed Modes:** Adjust the drone's speed to suit your skill level or flying conditions.

## 3.2 Advanced Functions

- **360° Flips:** Execute aerial stunts with a single button press.



Image: The Zuhafa S6 drone shown in a sequence demonstrating its ability to perform 360-degree flips.

- **Gravity Sensor Mode:** Control the drone's movement by tilting your smartphone.
- **Voice Command Control:** Use simple voice commands to control the drone's basic movements.



Image: Two children operating the drone with a remote control, illustrating the Smart Voice Control feature with 'Forward' and 'Take Off' commands.

- **VR Mode:** Experience immersive flight by using a VR headset with your smartphone.



Image: A person wearing a VR headset interacting with the Zuhafa S6 drone, demonstrating the VR Mode feature in a mountainous outdoor setting.

- **Track Route (Trajectory Flight):** Draw a flight path on your smartphone screen, and the drone will follow it automatically.

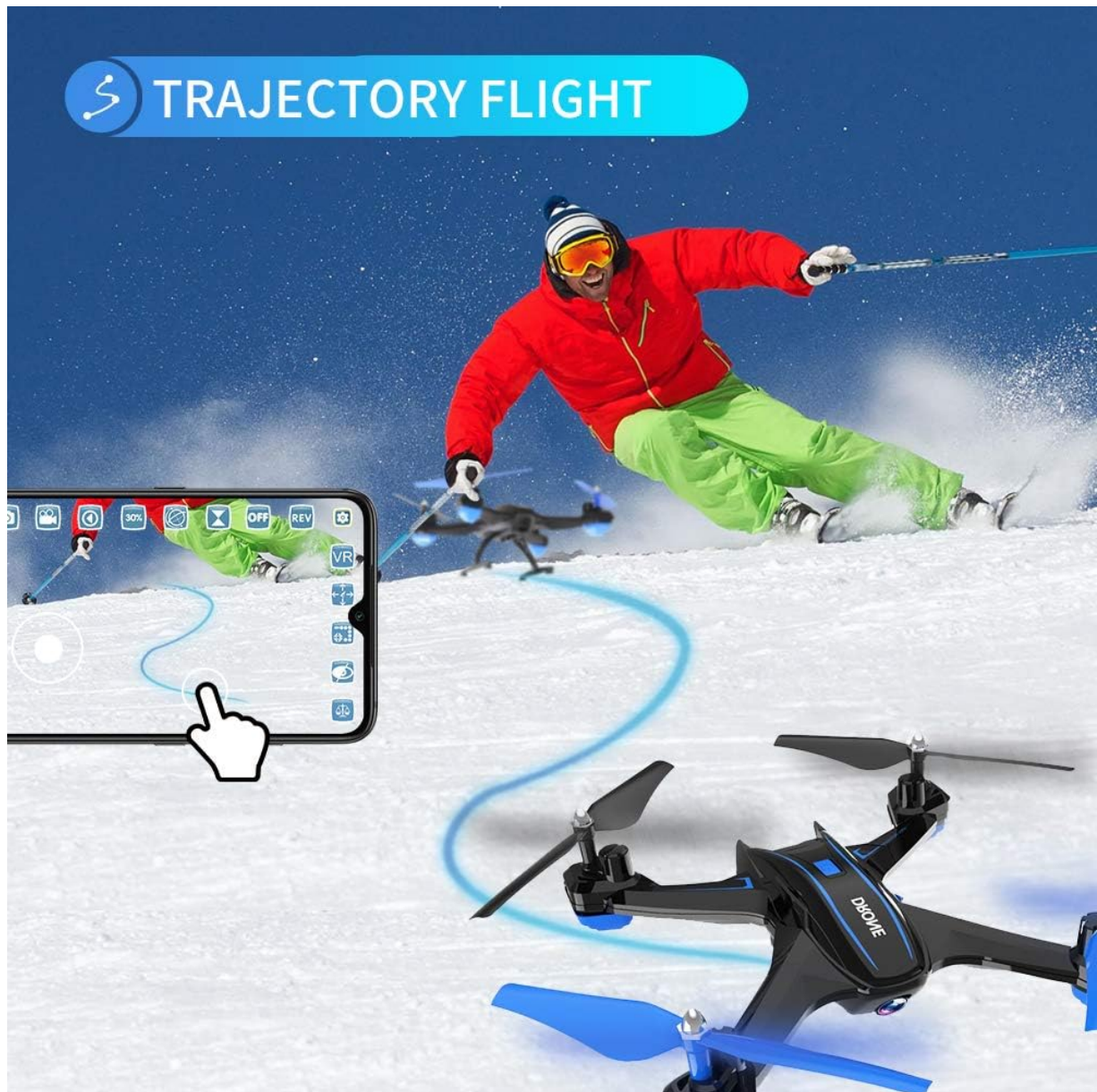


Image: A person skiing while the Zuhafa S6 drone follows a pre-drawn trajectory on a smartphone screen, illustrating the Trajectory Flight feature.

### 3.3 Camera Operation and FPV

The integrated 720P HD camera allows for capturing photos and videos. With Wi-Fi connectivity, you can view live FPV (First Person View) footage on your connected smartphone. The camera's 90° adjustable angle provides flexibility for various shots.



Image: The Zuhafa S6 drone flying in a mountainous environment, showcasing its 720P FPV 60° FOV Optimized WiFi Camera capturing images of a person rappelling.

## 4. MAINTENANCE

### 4.1 Battery Care

- Always use the provided charging cable and adapter.
- Do not overcharge or completely drain the battery.
- Store batteries in a cool, dry place away from direct sunlight.

### 4.2 Propeller Inspection and Replacement

- Regularly inspect propellers for damage (cracks, bends).
- Replace damaged propellers immediately to ensure stable flight. Refer to the included spare parts for replacement.

### 4.3 Cleaning

- Use a soft, dry cloth to clean the drone body.

- Avoid using water or chemical cleaners, as they may damage electronic components.

## 5. TROUBLESHOOTING

- **Drone does not respond:** Ensure the drone and remote control are fully charged and properly paired. Check for any obstructions to the propellers.
- **Unstable flight:** Perform gyroscope calibration. Check propellers for damage and replace if necessary. Ensure flying in calm conditions.
- **FPV feed not working:** Verify your smartphone is connected to the drone's Wi-Fi network. Restart the app and the drone.
- **Short flight time:** Ensure the battery is fully charged. Battery performance may degrade over time; consider replacing if significantly reduced.

## 6. SPECIFICATIONS

Feature	Specification
Model Name	S6
Brand	Zuhafa
Product Dimensions	34.8 x 19.79 x 6.58 cm
Item Weight	508 g
Manufacturer Recommended Age	14 years and up
Video Capture Resolution	720p
Connectivity Technology	Wi-Fi
Skill Level	Beginner
Control Type	Remote Control
Maximum Range	100 Meters
Batteries Included	Yes
Remote Control Included	Yes
Special Features	Adjustable, Integrated Camera, Lightweight

## 7. WARRANTY AND SUPPORT

Zuhafa offers a comprehensive service guarantee for the S6 RC Drone. We stand by our products 100% for life. You are free to return this product at any time with no questions asked. For further support or inquiries, please refer to the contact information provided with your purchase documentation.