Holy Stone F181W

Holy Stone F181W Drone User Manual

Model: F181W | Brand: Holy Stone

Introduction

This manual provides comprehensive instructions for operating and maintaining your Holy Stone F181W 1080P Wifi FPV Drone. The F181W is a versatile RC Quadcopter featuring a wide-angle HD camera for live video, altitude hold, and gravity sensor functions, making it easy to fly for beginners and kids. It comes with two batteries for extended flight time.



Image: The Holy Stone F181W drone, its remote controller with a phone mount, and two drone batteries.

What's in the Box

Your Holy Stone F181W package includes the following components:

- Holy Stone F181W Drone
- Remote Control
- 1080P Wide-Angle HD Wifi Camera (integrated)
- 2 x 3.7V 750 mAh LiPo Batteries (for drone)
- Propellers (installed and spare set)
- USB Charging Cables
- Screwdriver
- Propeller Guards



Image: All components included in the Holy Stone F181W drone package.

Setup

1. Battery Installation

Ensure both the drone and remote control batteries are fully charged before use.

- **Drone Battery:** Insert the provided 3.7V 750 mAh LiPo battery into the drone's battery compartment. Ensure it clicks securely into place.
- **Remote Control Battery:** Open the battery compartment on the back of the remote control and insert the required batteries (not specified in input, but typically AA or AAA).

2. Propeller Installation (if needed)

The drone comes with propellers pre-installed. If replacement is necessary, ensure correct propeller orientation (A and B type propellers) as indicated in the detailed user manual.

3. Camera Setup

The 1080P 120° Wide-angle HD Wifi Camera is integrated into the drone.



Image: The drone's integrated 1080P FPV camera, capable of live video transmission.

4. App Installation and Connection

For FPV real-time transmission and advanced features, install the dedicated Holy Stone app (referred to as "DEERC" in a review) on your mobile device.

1. Download the "DEERC" app from your mobile device's app store.
2. Power on the drone.
3. On your mobile device, connect to the drone's Wi-Fi network (usually named "HolyStone-F181W" or similar).
4. Open the app to establish connection and view the live feed.



Image: Demonstrates app control and live video feed on a smartphone mounted to the remote controller.

Operating Instructions

Basic Flight Controls

- **One-Key Start/Landing:** Press the designated button on the remote for automatic takeoff or landing.
- **Altitude Hold:** The drone will automatically maintain its current altitude, allowing for stable hovering.
- **Headless Mode:** Eliminates the need to adjust the aircraft's position before flight, making it easier for beginners to control.
- **3D Flips:** Perform aerial stunts with a single button press.



Image: Overview of the drone's multiple functions, including various flight modes and control options.

Camera Operation

- **FPV Real-Time Transmission:** View live video feed on your connected mobile device via the app.
- **Gesture Control:** Control the camera to take photos or videos using specific hand gestures (Paper for video, Scissor for photo).
- **Voice Control:** Use voice commands through the app for basic flight operations like "Fly," "Land," "Forward," "Backward," "Left," "Right," and "Stop."
- **Trajectory Flight:** Draw a flight path on your mobile screen, and the drone will follow it automatically.



Image: Demonstrates the gesture control feature for the drone's camera.



Image: Illustrates the trajectory flight feature where the drone follows a drawn path.



Image: Shows the voice control feature in action, allowing users to command the drone verbally.

Official Product Video

Your browser does not support the video tag.

Video: An official Holy Stone video showcasing the features and capabilities of the F181W drone, including its 1080P camera, altitude hold, headless mode, and 3D flips.

Maintenance

- **Battery Care:** Always use the provided charging cables. Do not overcharge or completely drain the batteries. Store batteries in a cool, dry place.
- **Propeller Replacement:** If propellers are damaged, replace them with spare parts. Ensure the correct A/B type is used for each motor.
- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Avoid using harsh chemicals or liquids.

Troubleshooting

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired, low battery, interference.	Ensure drone and remote are powered on and paired correctly. Charge batteries. Fly in an open area away from interference.
Drone drifts during flight.	Not calibrated, strong wind.	Perform gyroscope calibration as per the detailed manual. Avoid flying in strong winds.
No live video feed on app.	Incorrect Wi-Fi connection, app issue.	Ensure your phone is connected to the drone's Wi-Fi network. Restart the app and drone. Check app permissions.
Motors burn out quickly.	Sustained motor operation while obstructed (e.g., crashed into obstacle).	Immediately cut throttle upon impact or obstruction. Replace damaged motors.

Specifications

Feature	Detail
Brand	Holy Stone
Model Name	F181W
Camera	1080P 120° FOV HD Wifi Camera (2MP, 1920x1080 pixels)
Battery	3.7V 750 mAh LiPo (2 included)
Flight Time	Up to 10 minutes per battery (5-6 minutes with video streaming)
Control Range	Up to 300 Feet
Connectivity	Wi-Fi (for FPV and app control)
Special Features	Altitude Hold, Headless Mode, Gravity Sensor, Gesture Control, Voice Control, Trajectory Flight, 3D Flips
Skill Level	Beginner
Item Weight	4.9 Ounces
Product Dimensions	12.2 x 12.2 x 3.3 inches

Warranty & Support

Holy Stone is known for its excellent customer service. For any issues, questions, or warranty claims, please contact Holy Stone customer support directly.
A detailed User Manual in PDF format is also available for download:Download User Manual (PDF).

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Ask a question about this manual

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question