Holy Stone HS100

Holy Stone HS100 GPS FPV RC Drone User Manual

Model: HS100

Introduction

This manual provides essential information for the safe operation and maintenance of your Holy Stone HS100 GPS FPV RC Drone. Please read it thoroughly before operating the drone to ensure proper function and to prevent damage or injury.

The Holy Stone HS100 is a large, wind-resistant quadcopter designed for ease of use, featuring a 2K HD camera with FPV capabilities, GPS-assisted flight modes, and extended flight range.



Image: Holy Stone HS100 Drone and its remote controller, showcasing the product's main components.

Setup

Package Contents

Ensure all components are present before proceeding with assembly:

- Holy Stone HS100 Drone Body
- Remote Controller
- Propellers (set of 8, including spares)
- Battery (3500mAh)
- Landing Gears
- 2K HD Camera
- USB Charging Cable
- Screwdriver
- Propeller Guards

Assembly

1. **Install Landing Gears:** Attach the landing gears to the bottom of the drone body.
2. **Install Propellers:** Secure the propellers to the motor shafts. Ensure correct 'A' and 'B' propeller types are matched to the corresponding motor arms as indicated on the drone.
3. **Install Propeller Guards (Optional):** For added protection, attach the propeller guards around each propeller.
4. **Install Camera:** Connect the 2K HD camera to the designated port on the drone's underside. Ensure the connection is secure.
5. **Insert Battery:** Slide the fully charged 3500mAh battery into the battery compartment until it clicks into place.

Remote Controller Setup

Insert 3 AA batteries (not included) into the remote controller's battery compartment. Ensure correct polarity. Attach your mobile device to the controller's phone holder for FPV viewing.

App Download

Download the official Holy Stone FPV app from your mobile device's app store (iOS or Android) to enable live video feed and advanced flight features.

Operating Instructions

Basic Flight Controls

- **One Key Takeoff/Landing:** Press the dedicated button for automatic takeoff or landing.
- **Altitude Hold:** The drone will maintain its current altitude automatically, allowing for stable hovering.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, simplifying controls regardless of the drone's front direction.

Advanced Flight Features

- **GPS Assisted Flight:** Provides accurate positioning and stable flight. Ensure sufficient GPS signal (indicated by solid green lights on the drone) before takeoff.
- **Return-to-Home (RTH):** The drone will automatically return to its takeoff point if the battery is low, signal is lost, or the RTH button is pressed.
- **Follow Me Mode:** The drone will automatically follow the remote controller, keeping you in the frame for hands-free video recording.



Image: Holy Stone HS100 Drone demonstrating GPS-assisted flight and return-to-home functionality over a city skyline.

Camera Operation

The 2K HD camera offers a 120° FOV with a 90° adjustable angle. Utilize the 5GHz Wi-Fi connection for clear and stable FPV live video transmission to your mobile device.

Maintenance

- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or completely drain the battery. If the battery does not hold a charge, it may need replacement.
- **Propeller Inspection:** Regularly check propellers for any damage (cracks, bends). Replace damaged propellers immediately to ensure safe flight.
- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals.

Troubleshooting

- **Drone not taking off/Battery issues:** Ensure the battery is fully charged and properly inserted. If the battery does not hold a charge, it may be defective and require replacement.
- **Loss of Signal/Connectivity:** Ensure the remote controller and drone are properly paired. Maintain line of sight and avoid flying near strong interference sources. Signal loss may occur at distances beyond 100m, affecting FPV feed.
- **Drone crashes/Damaged landing gear:** Avoid flying indoors or in windy conditions. Maintain a safe distance from obstacles like trees and power lines. Inspect landing gear and propellers after any crash for damage.
- **Difficulty controlling drone:** Ensure the drone is calibrated correctly before flight. Practice in open, clear areas with minimal wind.

Specifications

Feature	Detail
Brand	Holy Stone
Model Name	HS100
Dimensions	16.9"L x 16.9"W x 6.9"H
Item Weight	0.705 ounces (drone only)
Video Capture Resolution	2K
Connectivity Technology	Wi-Fi (5GHz for FPV)
Battery Capacity	3500 mAh
Maximum Flight Time	Up to 18 Minutes
Maximum Control Range	600 Meters (1968FT)
Special Features	Integrated GPS, Adjustable Camera, Headless Mode, Altitude Hold, One Key Takeoff/Landing, Follow Me Mode, Return-to-Home

Safety Information

For detailed safety guidelines and important warnings, please refer to the official Safety Information PDF provided by Holy Stone:
Safety Information (PDF)
It is crucial to read and understand all safety instructions before operating the drone to prevent accidents and ensure responsible usage.

Warranty and Support

Information regarding product warranty and customer support was not provided in the available product details. Please refer to the product packaging or the official Holy Stone website for warranty claims and support inquiries.
You can visit the Holy Stone Store for more information.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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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