Holy Stone HS175D

Holy Stone HS175D GPS Drone User Manual

Model: HS175D
Brand: Holy Stone

1. Introduction

This user manual provides detailed instructions for the operation and maintenance of your Holy Stone HS175D GPS Drone. The HS175D is equipped with a 4K camera, GPS-assisted flight features, and a lightweight, foldable design, making it an excellent choice for both beginners and experienced pilots. Key features include a 4K camera with adjustable angle, GPS Auto Return, brushless motors for stable flight, and intelligent functions such as Follow Me, Circle Fly, and Waypoint Fly.

2. Package Contents

Before operating your drone, please ensure all components listed below are present in the package:

- Holy Stone HS175D GPS 4K Drone
- HS175D 4K GPS Drone Battery (x2)
- Transmitter (Remote Control)
- Charging Cable for Transmitter
- Charging Cable for Drone
- Propellers (Spare Set)
- Screwdriver
- Drone Instructions (this manual)



Image: Holy Stone HS175D GPS Drone, remote control, two batteries, charging cables, spare propellers, and screwdriver.

3. Setup

3.1 Unboxing and Assembly

The HS175D drone features a foldable design for portability. Gently unfold the drone arms until they click into place. Ensure all arms are fully extended before flight.



Image: The Holy Stone HS175D drone in its compact, folded state and fully unfolded, ready for flight.

3.2 Battery Installation and Charging

Insert the provided Li-Po batteries into the drone and ensure they are securely latched. Use the included charging cables to charge both the drone batteries and the transmitter. A full charge provides up to 46 minutes of flight time with two batteries.



Image: Two Holy Stone drone batteries, indicating their long flight time capability.

3.3 Controller Setup and App Connection

Install the Holy Stone app on your smartphone. Mount your smartphone onto the controller's phone holder. Power on the controller, then the drone. Connect your phone to the drone's Wi-Fi network as instructed in the app. The app is essential for accessing all flight features and camera functions.



Image: The Holy Stone remote controller with a smartphone securely mounted, displaying the drone's camera view.

3.4 Quick Start Guide (Calibration)

Follow these steps for a quick and safe start:

1. Place drone on a level surface outdoors with its head pointing forward.
2. Turn on drone and transmitter.
3. Push left joystick up, then down.
4. Long press Compass Calibration button.
5. Rotate drone horizontally until rear indicators flash quickly.
6. Rotate drone vertically until rear indicators turn solid green.
7. Simultaneously push both joysticks towards bottom left corner.
8. Simultaneously push both joysticks towards inner bottom corners.
9. Press Takeoff/Landing button.



Image: A visual quick start guide illustrating the 9 steps for preparing the Holy Stone HS175D drone for flight, including calibration.

4. Operating Instructions

4.1 Pre-Flight Checklist

- Ensure batteries are fully charged for both drone and remote.
- Perform compass calibration as per the Quick Start Guide.
- Wait for GPS signal acquisition (drone indicator lights turn solid green) before flying, especially outdoors. This ensures accurate positioning and Return to Home functionality.
- Check propellers for any damage or obstructions.

4.2 Basic Flight Controls

- **One Key Take Off/Landing:** Press the dedicated button on the remote for automatic take-off or landing.
- **Altitude Hold:** The drone maintains a stable altitude, allowing for easier control of horizontal movement.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, simplifying control regardless of the drone's front direction.
- **Speed Adjust:** Adjust flight speed settings via the remote or app to suit your skill level and environmental conditions.

4.3 Advanced Flight Modes

The HS175D offers several intelligent flight modes for enhanced flying experience:

- **Follow Me:** The drone automatically follows the pilot, capturing footage as you move.
- **Circle Fly (Point of Interest):** The drone flies in a circular path around a designated point, providing dynamic aerial shots.
- **Waypoint Fly (Tap-Fly):** Draw a path on your smartphone screen, and the drone will automatically fly along the specified route.



Image: Illustrations of the drone performing Tap-Fly, Point of Interest, and Follow-Me intelligent flight modes.

4.4 Camera Operation

The drone is equipped with a 4K camera featuring a 110° wide-angle lens and 90° remote adjustable tilt. The 5GHz FPV transmission ensures smooth and stable video feed to your smartphone, even in challenging conditions. You can capture high-resolution photos and videos directly through the app.



Image: Details of the Holy Stone HS175D's 4K camera, highlighting its 110-degree wide-angle and 90-degree adjustable

features.

4.5 GPS Auto Return (RTH)

The GPS Auto Return function ensures the drone automatically returns to its take-off point under specific conditions:

- **Signal Loss RTH:** If the drone loses connection with the remote control.
- **Low-battery RTH:** When the drone's battery level becomes critically low.
- **RTH Button Return:** Manually initiated by pressing the Return to Home button on the remote.



Image: Visual representation of the Holy Stone HS175D's GPS Smart Return function, detailing signal loss, low battery, and button-initiated return to home.

5. Maintenance

5.1 Propeller Care

Regularly inspect propellers for any cracks, bends, or debris. Damaged propellers can affect flight stability and safety. Replace them using the provided screwdriver and spare propellers if necessary.

5.2 Battery Charging and Storage

Always use the original charging cables. Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Do not overcharge or completely drain the batteries.

5.3 Cleaning

Use a soft, dry cloth to clean the drone and remote control. Avoid using harsh chemicals or solvents. Ensure no dust or debris accumulates in the motors or camera lens.

6. Troubleshooting

If you encounter issues with your Holy Stone HS175D drone, refer to the following common solutions:

Problem	Possible Cause	Solution
Drone does not take off or respond to controls.	Not properly paired; low battery; incorrect calibration.	Ensure drone and remote are paired. Charge batteries. Perform compass calibration.
Unstable flight or drifting.	Improper calibration; damaged propellers; strong wind.	Recalibrate the drone. Replace damaged propellers. Fly in calm conditions.
No FPV video feed on phone.	Phone not connected to drone's Wi-Fi; app issue.	Verify Wi-Fi connection. Restart app and drone. Ensure phone is compatible.
GPS signal not acquired.	Flying indoors or in an area with poor GPS reception.	Move to an open outdoor area with clear sky view. Wait for solid green indicator lights.
Return to Home (RTH) not working correctly.	No GPS lock at take-off; strong wind.	Always ensure GPS lock before take-off. Consider wind conditions.

For more detailed troubleshooting, please refer to the full user manual PDF available on the Holy Stone website or contact customer support.

7. Specifications

Feature	Detail
Brand	Holy Stone
Model Name	HS175D

Feature	Detail
Camera Resolution	4K (3840x2160 Video Output)
Effective Still Resolution	250 MP
Camera Features	110° Wide-angle, 90° Adjustable
Connectivity Technology	Wi-Fi (5GHz FPV Transmission)
Special Features	GPS Auto Return, Brushless Motors, GPS Follow Me, Circle Fly, Waypoint Fly, Altitude Hold, Headless Mode, One Key Take Off/Landing, Speed Adjust
Flight Time	Up to 46 minutes (with 2 batteries)
Battery Capacity	7.6V 1700mAh Li-Po (approx. 23 minutes per battery)
Maximum Range	1148 Feet (approx. 350 meters)
Item Weight	7.6 ounces (under 250g)
Product Dimensions	10.83"L x 8.27"W x 2.48"H (unfolded)
Skill Level	Beginner
Material	Plastic

8. Warranty and Support

Holy Stone offers comprehensive support for your HS175D drone:

- **30-Day Replacement:** If your Holy Stone drone breaks down within 30 days from the date of arrival due to intended use, it will be replaced at no charge.
- **6-Month Warranty:** The main parts of your Holy Stone drone are warranted for 6 months.

For any questions, technical assistance, or warranty claims, please contact Holy Stone customer service. Refer to the contact information provided in your product packaging or on the official Holy Stone website.



Image: Holy Stone's after-sale policy, highlighting the 30-day replacement and 6-month warranty periods.

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.

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

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

Submit question