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› Holy Stone HS155 GPS Drone with 1080P Camera User Manual

Holy Stone HS155

Holy Stone HS155 GPS Drone User Manual

Model: HS155

1. INTRODUCTION

Thank you for purchasing the Holy Stone HS155 GPS Drone. This manual provides essential information for safe operation, setup, and maintenance of your drone. Please read it thoroughly before first use to ensure proper functionality and to maximize your flying experience.

The HS155 is a lightweight drone, weighing only 98g, which means it typically does not require aircraft registration in many regions. It features a 1080P HD camera, GPS positioning for stable flight, and various intelligent flight modes designed for both beginners and experienced pilots.

2. PRODUCT OVERVIEW

2.1 Package Contents

Verify that all items are present in your package:

- 1 x HS155 Drone
- 1 x Remote Controller
- 2 x Modular Batteries
- 2 x USB Charging Cables
- 1 x Storage Case
- 4 x Spare Propellers
- 1 x Screwdriver
- 1 x User Manual (English)

パッケージリスト



Figure 2.1: Complete package contents of the Holy Stone HS155 drone.

2.2 Drone Features

- **Lightweight Design:** Weighs 98g, often exempt from drone registration requirements.
- **GPS Positioning:** Provides stable flight and precise hovering.
- **1080P HD Camera:** Captures high-quality photos and videos with a 120° wide-angle lens and 90° adjustable angle.
- **FPV Real-time Transmission:** View live footage on your smartphone via Wi-Fi.

- **Modular Batteries:** Two included batteries offer up to 28 minutes of total flight time (14 minutes per battery).
- **Storage Case:** Convenient for transport and protection of the drone and accessories.



Figure 2.2: Key features of the HS155 drone.

3. SETUP

3.1 Battery Charging

1. Insert the modular battery into the charging cable.
2. Connect the USB charging cable to a USB power adapter (5V/2A recommended).
3. The indicator light on the battery will show charging status. Refer to the battery indicator guide for details.
4. Charging typically takes approximately 90-120 minutes per battery.



Figure 3.1: Charging the drone batteries.

3.2 Propeller Installation

Ensure propellers are correctly installed according to their rotation direction (A and B). Incorrect installation will prevent flight.

3.3 Remote Controller Setup

1. Install 3 AAA batteries (not included) into the remote controller.
2. Extend the phone holder on the controller to mount your smartphone.

3.4 App Installation and Connection

1. Download the dedicated Holy Stone app from your smartphone's app store.
2. Power on the drone and the remote controller.
3. On your smartphone, connect to the drone's Wi-Fi network (usually named "HolyStone-HS155-XXXXXX").
4. Open the Holy Stone app to establish a connection and view the FPV feed.

4. OPERATING INSTRUCTIONS

4.1 Pre-Flight Checklist

- Ensure drone and controller batteries are fully charged.
- Check propellers for damage and correct installation.
- Confirm drone is placed on a flat, open surface.
- Verify GPS signal acquisition (if flying outdoors).
- Ensure the app is connected and displaying live feed.

4.2 Calibration

Before each flight, especially outdoors, perform compass and gyroscope calibration as instructed in the app or quick start guide. This ensures stable flight and accurate GPS positioning.

4.3 Takeoff and Landing

- **One-Key Takeoff:** Press the one-key takeoff button on the remote controller or in the app. The drone will automatically ascend to a safe hovering altitude.
- **Manual Takeoff:** Push both joysticks down and outwards to start the motors, then slowly push the left joystick up to ascend.
- **One-Key Landing:** Press the one-key landing button. The drone will automatically descend and land.
- **Manual Landing:** Slowly pull the left joystick down to descend, then push both joysticks down and inwards to stop the motors after landing.

初心者向けな機能を備える



Figure 4.1: One-key takeoff and landing functions.

4.4 Basic Flight Controls

Joystick/Button	Function
Left Joystick Up/Down	Ascend/Descend

Joystick/Button	Function
Left Joystick Left/Right	Rotate Left/Right (Yaw)
Right Joystick Up/Down	Forward/Backward
Right Joystick Left/Right	Fly Left/Right (Strafe)
Speed Switch Button	Adjust flight speed (2 levels)

5. ADVANCED FLIGHT MODES

5.1 GPS Auto Return (RTH)

The RTH function allows the drone to automatically return to its last recorded home point. This feature is activated by One-Key Return, low battery voltage, or loss of signal connection with the remote controller. Ensure GPS signal is strong for accurate RTH.



Figure 5.1: GPS Auto Return (RTH) in action.

5.2 Follow Me Mode

In Follow Me mode, the drone will automatically follow the remote controller or your smartphone (if connected via app), keeping you in the frame. Activate this mode via the app.



Figure 5.2: Drone utilizing Follow Me mode.

5.3 Waypoint Flight

Plan your flight path by tapping desired waypoints on the map within the app. The drone will then fly along the specified route automatically.



Figure 5.3: Setting waypoints for automated flight.

5.4 Circle Flight

In Circle Flight mode, the drone will fly in a circular path around a designated point, capturing panoramic footage. This mode is activated via the app.



Figure 5.4: Drone executing a circle flight.

5.5 Headless Mode

Headless mode simplifies control by eliminating the need to orient the drone. The drone's forward direction will be relative to the pilot's perspective, regardless of the drone's actual front. This is useful for beginners.



Figure 5.5: Headless mode operation.

5.6 Beginner Mode

Beginner mode automatically sets limits on flight distance and altitude, providing a safer and more controlled flying experience for new users. This mode can be disabled via the app settings once you gain confidence.

初心者モード

距離と高度の制限が自動的に設定されるので、機体操縦に不慣れな方でも手軽にドローンを活用できます。

ホバリング半径:	飛行制限距離:
5m	0-30m
飛行制限高度:	リターン高度:
0-30m	15m

*デフォルトモードですが、アプリ上の飛行設定でオフできます。

Figure 5.6: Beginner mode flight parameters.

6. CAMERA OPERATION

The HS155 is equipped with a 1080P HD camera for aerial photography and video recording. The camera angle can be adjusted

by 90° manually before flight.



1080P HD WIFI カメラ

リアルタイム・鮮明な画質



90°角度調整

FOV 120°



Class10 以上、容量最大32GのTFカードをサポート (市販のTFカードをご利用ください)



多角度から美しい景色を楽しむことができます。

Figure 6.1: HS155 camera features.

6.1 Taking Photos and Recording Videos

Use the dedicated buttons on the remote controller or the controls within the Holy Stone app to capture photos and start/stop video recording. Images and videos are saved directly to your smartphone via the app.

6.2 FPV Real-time Transmission

Connect your smartphone to the drone's Wi-Fi network and open the app to view a live feed from the drone's camera. This allows for real-time monitoring of your flight and precise framing of shots.

7. MAINTENANCE

7.1 Cleaning

- Wipe the drone body with a soft, dry cloth.
- Avoid using solvents or harsh chemicals.
- Clean the camera lens gently with a microfiber cloth.

7.2 Propeller Replacement

If propellers are damaged, replace them immediately using the provided screwdriver and spare propellers. Ensure the new propellers are installed correctly (A and B types).

7.3 Battery Care

- Do not overcharge or over-discharge batteries.
- Store batteries in a cool, dry place away from direct sunlight.
- If not used for an extended period, charge batteries to approximately 50-60% capacity.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Drone does not respond to controller	Not paired; low battery; out of range	Re-pair drone and controller; charge batteries; fly within range.
Unstable flight/Drifting	Improper calibration; strong wind; damaged propellers	Perform gyroscope and compass calibration; fly in calm conditions; replace damaged propellers.
No FPV feed on smartphone	Wi-Fi not connected; app not open; drone too far	Connect to drone's Wi-Fi; open app; ensure drone is within Wi-Fi range.
GPS signal weak/unavailable	Flying indoors; obstructed view of sky	Fly outdoors in an open area with clear sky; wait for sufficient GPS satellites to connect.
Drone does not take off	Low battery; propellers blocked; motors not armed	Charge batteries; clear any obstructions; arm motors (joysticks down and out).

9. SPECIFICATIONS

Feature	Detail
Brand	Holy Stone
Model	HS155
Weight	98 grams
Dimensions (L x W x H)	25.2 x 17.2 x 4.1 cm
Camera Resolution	1080p HD
Camera Features	120° Wide-angle, 90° Adjustable Angle
Connectivity	Wi-Fi (FPV), RF (Controller)
Max Control Range	30 meters
Battery Capacity	950 mAh
Max Flight Time	Up to 14 minutes per battery (28 minutes total with 2 batteries)
Charging Time	Approx. 90-120 minutes per battery
Video Capture Format	MP4
Storage Media	microSD (up to 32GB, Class 10 recommended)
Target Age	Adult

10. WARRANTY AND SUPPORT

10.1 Warranty Information

Holy Stone products typically come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Holy Stone website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

10.2 Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact Holy Stone customer support. Contact details can usually be found on the official Holy Stone website or in the product packaging.

- **Official Website:** www.holystone.com (Please check for your regional website)
- **Email Support:** Refer to your product documentation for specific email addresses.

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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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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