

Holy Stone HS155

Holy Stone HS155 GPS Drone User Manual

Brand: **Holy Stone** | Model: **HS155**

1. PRODUCT OVERVIEW

The Holy Stone HS155 is a compact and lightweight GPS-equipped drone designed for outdoor use. Weighing under 100g, it does not require unmanned aircraft registration for outdoor flights, offering convenience and ease of use. It features a 1080P high-resolution camera, multiple intelligent flight modes, and extended flight time with its included batteries.

Key Features:

- **Under 100g Weight:** Weighs only 98g (including battery), eliminating the need for unmanned aircraft registration.
- **GPS Functionality:** Enhances flight stability and allows for precise positioning, improving overall flight safety.
- **1080P HD Camera:** Captures crisp and clear images and videos with a 120° wide-angle lens and 90° adjustable camera angle. Supports up to 32GB TF card.
- **Extended Flight Time:** Includes 3 modular batteries, providing a total flight time of up to 42 minutes (14 minutes per battery). Two charging cables are included for simultaneous charging.
- **Beginner Mode:** Automatically sets flight range limits, making it safe and easy for new users to operate.
- **Multiple Return Modes:** Features One-Key Return, Low Voltage Return, and Failsafe Return to prevent drone loss.
- **Intelligent Flight Modes:** Includes Follow Me Mode, Waypoint Mode, and Circle Mode for diverse aerial photography and flight experiences.
- **Storage Case:** A protective storage case is included for convenient transport and protection of the drone and its accessories.

HS155

100g未満、GPS搭載ドローン



Image: The Holy Stone HS155 drone showcasing its main features and components.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- HS155 Drone x 1
- Remote Controller x 1
- Modular Batteries x 3
- USB Charging Cables x 2
- Spare Propellers x 4
- Screwdriver x 1
- Storage Case x 1
- User Manual x 1



Image: All components included in the Holy Stone HS155 drone package.

3. GETTING STARTED (SETUP)

3.1 Battery Charging and Installation

Before first use, fully charge all drone batteries and the remote controller.

Charging the Batteries:

1. Connect the USB charging cables to the drone batteries.
2. Plug the other end of the USB cables into a USB power adapter (5V/2A recommended, not included).
3. The indicator light on the battery will show charging status (e.g., red for charging, green for fully charged).
4. Charging time is approximately 60-90 minutes per battery.

Installing Batteries:

1. Ensure the drone is powered off.
2. Insert a fully charged battery into the battery compartment on the drone until it clicks into place.



Image: Illustration of charging the modular drone batteries using the provided USB cables.

3.2 Remote Controller Setup

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

Connecting Your Smartphone:

1. Download and install the Holy Stone app (check manual for specific app name) from your smartphone's app store.
2. Power on the drone and the remote controller.
3. Go to your smartphone's Wi-Fi settings and connect to the drone's Wi-Fi network (usually named 'HolyStone-HS155-XXXXXX').
4. Open the Holy Stone app to view the live feed and access flight controls.

3.3 Drone Preparation

Propeller Installation:

If propellers are not pre-installed, attach them according to the markings (A and B) on the propellers and motor arms. Use the provided screwdriver to secure them.

GPS Calibration:

1. Place the drone on a flat, open surface outdoors.
2. Power on the drone and remote controller.
3. Wait for the drone to acquire GPS signals. The GPS indicator light on the drone or in the app will change when successful.

Compass Calibration:

1. After GPS acquisition, follow the app's instructions or remote controller prompts to initiate compass calibration.
2. Typically, this involves rotating the drone horizontally and then vertically until calibration is complete.

**GPS搭載**
安定性アップ・位置把握

**100g未満**
軽量・便利・申請不要



初心者でも手軽に制御し、高レベルに進むGPS練習機として活用できます。



ドローン登録義務化対象外

Image: The HS155 drone in an outdoor environment, indicating GPS functionality for stable flight.

4. FLIGHT OPERATIONS

4.1 Basic Flight Controls

Take-off and Landing:

- **One-Key Take-off:** Press the one-key take-off button on the remote controller or in the app. The drone will automatically ascend to a safe height and hover.
- **Manual Take-off:** 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.

Speed Adjustment:

The drone offers multiple speed modes. Use the speed switch on the remote controller to toggle between low, medium, and high speeds, suitable for different flying conditions and pilot skill levels.

4.2 Intelligent Flight Modes

Beginner Mode:

This mode is enabled by default for new users. It automatically limits the drone's flight distance and altitude to a safe

range (e.g., 0-30m distance, 0-30m altitude, 5m hovering radius, 15m return altitude). This helps beginners gain confidence and control. It can be disabled via the app's settings.



Image: Visual representation of flight limits in Beginner Mode.

Follow Me Mode:

In Follow Me Mode, the drone uses GPS to track the remote controller or smartphone, following the user at a set distance and altitude. This is ideal for capturing dynamic footage of activities like cycling or hiking.



Image: The drone following a person on a bicycle in Follow Me Mode.

Waypoint Mode:

Plan a custom flight path by tapping desired waypoints on the map within the app. The drone will then automatically fly along the designated route, allowing for hands-free aerial photography.



Image: Setting a flight path with multiple waypoints on a smartphone screen.

Circle Mode:

In Circle Mode, the drone will fly in a perfect circle around a designated point, capturing cinematic 360-degree footage of your subject.



Image: The drone executing a circular flight pattern.

Headless Mode:

Headless Mode simplifies flight control by making the drone's orientation relative to the pilot, regardless of the drone's actual front direction. This is particularly useful for beginners.



Image: Diagram illustrating how Headless Mode works, simplifying directional control.

4.3 Camera Operation

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. Ensure a TF card (up to 32GB, Class 10 recommended) is inserted into the drone for saving media.

Camera Angle Adjustment:

The drone's camera angle can be manually adjusted by 90 degrees to achieve different perspectives during flight.

 **1080P HD WIFI カメラ**
リアルタイム・鮮明な画質



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)

 **90°角度調整**
FOV 120°



多角度から美しい景色を楽しむことができます。

Image: Close-up view of the 1080P camera with its adjustable angle feature.

5. SAFETY AND RETURN FEATURES

5.1 Return Modes

The HS155 drone is equipped with three return modes to ensure safe recovery and minimize the risk of loss.

- **One-Key Return:** Press the dedicated return button on the remote controller or in the app. The drone will automatically fly back to its recorded home point (the take-off location).
- **Low Voltage Return:** When the drone's battery level is critically low, it will automatically initiate a return to the home point to prevent a crash.
- **Failsafe Return:** If the connection between the drone and the remote controller is lost for more than 6 seconds, the drone will automatically return to its home point. This feature significantly reduces the chance of losing the drone due to signal interruption.



Image: The drone returning to its designated home point.

6. MAINTENANCE AND STORAGE

6.1 Battery Care

- Always use the original charging cables and recommended power adapters.
- Do not overcharge or over-discharge batteries.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge batteries to approximately 50-60% capacity.

6.2 Cleaning and Storage

- After each flight, inspect the drone for any damage, especially to the propellers and motors. Replace damaged propellers immediately.
- Clean the drone's body and camera lens with a soft, dry cloth. Avoid using harsh chemicals.
- When not in use, store the drone and all accessories in the provided storage case to protect them from dust and physical damage.



専用収納ケース
機体・付属品保護



外出携帯便利



Image: The HS155 drone and its accessories stored securely in the included carrying case.

7. TROUBLESHOOTING

If you encounter issues with your Holy Stone HS155 drone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not power on	Battery not charged or improperly installed.	Ensure batteries are fully charged and correctly inserted.
Unstable flight or drifting	Improper calibration (GPS/compass) or strong winds.	Perform GPS and compass calibration in an open area. Avoid flying in strong winds.
No live video feed in app	Wi-Fi not connected or app not launched correctly.	Ensure your smartphone is connected to the drone's Wi-Fi. Restart the app and drone.
Video recording stops prematurely (e.g., after 5-10 seconds)	TF card issue (full, slow speed, or corrupted) or software glitch.	Use a Class 10 or higher TF card. Format the TF card. Check for app updates. If the issue persists, contact customer support.
Drone does not respond to remote controller	Remote controller not paired or out of range.	Ensure the remote controller is paired with the drone. Fly within the specified control range.

8. PRODUCT SPECIFICATIONS

Detailed technical specifications for the Holy Stone HS155 GPS Drone.

Specification	Detail
Brand	Holy Stone
Model Number	HS155
Color	Gray

Specification	Detail
Item Weight	98 grams
Product Dimensions (L x W x H)	25.2 x 17.2 x 4.1 cm
Camera Resolution	1080P
Camera Features	120° Wide-angle, 90° Adjustable Angle
Video Capture Format	MP4
Optical Sensor Technology	CMOS
Connectivity Technology	Wi-Fi
Control Type	Remote Control
Battery Type	Lithium Ion
Max Flight Time (per battery)	14 minutes
Total Flight Time (with 3 batteries)	42 minutes
Max TF Card Support	32GB
Country of Origin	China

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Holy Stone products typically come with a limited warranty covering manufacturing defects. Please refer to the warranty card included in your package or visit the official Holy Stone website for specific warranty terms and conditions applicable to your region.

9.2 Customer Support

For technical assistance, troubleshooting, or any inquiries regarding your Holy Stone HS155 drone, please contact Holy Stone customer support. Contact details can usually be found on the official website or in the product packaging.

Online Support: Visit the official Holy Stone website for FAQs, software updates, and contact forms.

Email Support: Refer to your product documentation for the customer service email address.