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Holy Stone HS260

Holy Stone HS260 Drone User Manual

Model: HS260

1. Important Safety Guidelines

Read this manual thoroughly before operating the Holy Stone HS260 drone. Failure to follow instructions can result in damage, injury, or legal consequences. Keep this manual for future reference.

- **Age Recommendation:** This drone is suitable for users aged 14 and above.
- **Flight Environment:** Fly in open, clear areas away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Battery Safety:** Use only original Holy Stone batteries and chargers. Do not overcharge or short-circuit batteries. Discontinue use if batteries are damaged or swollen.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers.
- **Line of Sight:** Always maintain visual line of sight with the drone during flight.
- **Privacy:** Respect the privacy of others when operating the drone's camera.
- **Local Regulations:** Be aware of and comply with all local laws and regulations regarding drone operation.

2. Product Overview and Components

The Holy Stone HS260 is a foldable RC quadcopter designed for beginners, featuring a 1080P HD adjustable camera, gravity sensor, voice control, and trajectory flight capabilities.

2.1 Package Contents

- Holy Stone HS260 Drone
- Remote Controller
- Rechargeable Drone Batteries (3 included)
- USB Charging Cable for Drone Battery
- Spare Propellers
- Screwdriver
- User Manual (this document)
- Carrying Case

2.2 Drone Diagram



Figure 2.2.1: Overview of the Holy Stone HS260 drone, remote controller, carrying case, and included batteries. The drone is shown in its unfolded state, ready for flight.



Figure 2.2.2: Close-up view of the Holy Stone HS260 drone highlighting its 1080P HD camera, which can be adjusted 90 degrees for optimal viewing angles.

2.3 Remote Controller Diagram

The remote controller features dual joysticks for flight control, dedicated buttons for various functions, and a smartphone holder for FPV viewing.



Figure 2.3.1: The remote controller with a smartphone mounted, illustrating the interface for Trajectory Flight, Voice Control, and Gravity Control features.

3. Setup Guide

3.1 Charging the Drone Battery

The drone comes with multiple rechargeable batteries. Ensure they are fully charged before first use.

1. Remove the battery from the drone.
2. Connect the battery to the USB charging cable.
3. Plug the USB cable into a 5V/2A USB adapter (not included) or a computer USB port.
4. The indicator light on the charging cable will show charging status (e.g., red for charging, green for fully charged).
5. Charging time is approximately 150-180 minutes for a full charge, providing up to 30 minutes of flight time per battery.



Figure 3.1.1: The Holy Stone HS260 drone battery alongside its dedicated USB charging cable, illustrating the components used for power replenishment.

3.2 Installing Drone Battery

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

3.3 Installing Remote Controller Batteries

The remote controller requires 3 x AA batteries (not included).

1. Open the battery compartment on the back of the remote controller.
2. Insert 3 AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely.

3.4 Unfolding the Drone

The HS260 drone features a foldable design for portability.

1. Gently unfold the front arms first, then the rear arms.
2. Ensure all arms are fully extended and locked into position before flight.

3.5 Downloading the APP

For advanced features like FPV, Gravity Control, Voice Control, Trajectory Flight, and Gesture Control, download the Holy Stone app from your smartphone's app store (iOS/Android).

1. Scan the QR code provided in the quick start guide (if available) or search for "Holy Stone" in your app store.
2. Install the app on your smartphone.
3. Connect your smartphone to the drone's Wi-Fi network (usually named "HolyStone_HS260_XXXXXX") in your phone's Wi-Fi settings.
4. Open the Holy Stone app to begin.

4. Operating Instructions

4.1 Pairing the Drone and Remote Controller

1. Place the drone on a flat, level surface.
2. Press and hold the power button on the drone until the indicator lights flash.

3. Turn on the remote controller. The indicator lights on both the drone and controller will flash rapidly.
4. Push the left joystick (throttle) all the way up, then all the way down. The lights on both the drone and controller will turn solid, indicating successful pairing.

4.2 Calibration

After pairing, calibrate the drone for stable flight.

1. Push both joysticks down and to the right simultaneously for 2-3 seconds.
2. The drone's lights will flash rapidly and then turn solid, indicating successful calibration.

4.3 Take-off and Landing

- **One-Key Take-off:** Press the One-Key Take-off/Landing button (usually marked with an arrow pointing up) on the remote controller. The drone will automatically ascend to a stable hovering height.
- **Manual Take-off:** Push both joysticks down and outwards to start the propellers. Slowly push the left joystick (throttle) up to ascend.
- **One-Key Landing:** Press the One-Key Take-off/Landing button again. The drone will automatically descend and land.
- **Manual Landing:** Slowly pull the left joystick (throttle) down to descend. Once landed, pull both joysticks down and inwards to stop the propellers.

4.4 Flight Controls

Control	Action	Description
Left Joystick (Throttle)	Up/Down	Ascend/Descend
Left Joystick (Yaw)	Left/Right	Rotate Left/Right
Right Joystick (Pitch)	Up/Down	Fly Forward/Backward
Right Joystick (Roll)	Left/Right	Fly Left/Right (Sideways)

4.5 Advanced APP Features

Once connected to the Holy Stone app, unlock these intelligent flight modes:

- **Gravity Control:** Tilt your smartphone to control the drone's flight direction.
- **Voice Control:** Use simple voice commands (e.g., "Forward", "Left") to direct the drone.
- **Trajectory Flight:** Draw a path on your smartphone screen, and the drone will follow it automatically.
- **Gesture Control:** Perform specific hand gestures in front of the camera to trigger photo or video recording.



Figure 4.5.1: Illustration of the Gesture Control feature, allowing users to initiate photo or video capture with simple hand movements.



Figure 4.5.2: Demonstrates the drone's flying stability with Optical Flow Positioning for precise hovering and the availability of two speed modes for different flying experiences.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote controller. Do not use harsh chemicals or solvents.
- **Propeller Inspection:** Regularly check propellers for damage (cracks, bends). Replace any damaged propellers immediately using the provided spare parts and screwdriver.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted batteries for extended periods. Charge them to about 50% for long-term storage.
- **Motor Care:** Keep motors free from dust and debris. Avoid flying in sandy or dusty environments.
- **Storage:** When not in use, fold the drone and store it in its carrying case to protect it from damage.

6. Troubleshooting

Problem	Possible Cause	Solution
Drone does not respond to controller.	Not paired; low battery (drone or controller).	Re-pair drone and controller; charge drone battery; replace controller batteries.
Drone drifts during flight.	Not calibrated; uneven surface during take-off; strong wind.	Recalibrate the drone on a flat surface; fly in calm conditions.
Propellers do not spin.	Not paired; battery not connected; damaged motor/propeller.	Ensure pairing; check battery connection; inspect propellers for damage and replace if necessary.
FPV image is blurry or disconnected.	Weak Wi-Fi signal; app not connected to drone Wi-Fi.	Ensure strong Wi-Fi connection; reconnect phone to drone's Wi-Fi network; fly closer to the drone.

7. Specifications

Feature	Detail
Brand	Holy Stone
Model Name	HS260
Video Capture Resolution	1080p HD
Connectivity Technology	Wi-Fi
Included Components	Drone, Remote Controller, Camera, Carrying Case, Batteries, USB Charging Cable, Spare Propellers, Screwdriver
Skill Level	Beginner
Control Type	Remote Control, Voice Control, Gravity Control, Trajectory Flight, Gesture Control
Media Type	SD (for recording)
Flight Time	Up to 30 minutes per battery (with 3 batteries included)
Camera Adjustment	90° adjustable

8. Warranty and Support

Holy Stone products typically come with a limited warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including warranty period and coverage details.

8.1 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Holy Stone customer support through their official website or the contact information provided in your product packaging.
Visit the official Holy Stone Store on Amazon: Holy Stone Store

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