Holy Stone HS320

Holy Stone HS320 Bubble Drone User Manual

Your guide to operating and maintaining the HS320 Bubble Drone.

1. INTRODUCTION

Welcome to the world of aerial fun with your new Holy Stone HS320 Bubble Drone. This manual provides essential information for safe operation, setup, and maintenance of your drone. Please read it thoroughly before first use to ensure a delightful and safe experience.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- HS320 Bubble Drone x 1
- Remote Control x 1
- Rechargeable Batteries x 2
- USB Charging Cable x 1
- Bubble Solution Tanks x 2
- Concentrated Bubble Solution Packets x 10
- Empty Bubble Bottle x 1 (for mixing solution)
- Propeller Guards x 1 Set (4 pieces)
- Spare Propellers x 8
- Propeller Screws x 8
- Screwdriver x 1
- User Manual x 1

Image: All components included in the Holy Stone HS320 Bubble Drone package.

3. PRODUCT OVERVIEW

3.1 Drone Components

- **Propellers:** Four rotating blades for flight.
- **Propeller Guards:** Semi-enclosed guards for protection (optional).
- **Bubble Outlet:** Located at the bottom for bubble release.
- **Battery Compartment:** Located on top for easy battery insertion.
- **Power Indicator Lights:** On the drone's front, resembling eyes.

Image: The Holy Stone HS320 Bubble Drone, remote, and batteries.

3.2 Remote Controller Layout

Full Protection

Protective guards reduce the danger of collisions, minimizing impact risks even if bumps happen—keeping kids safe during play.

Note: When the propeller guard is installed, it's recommended to fly in a wind-free environment.

Image: Detailed diagram of the remote control buttons and their functions.

- **Left Joystick:** Controls altitude and rotation.
- **Right Joystick:** Controls forward/backward and left/right movement.
- **Speed Switch (Short Press):** Adjusts flight speed (Low/Medium/High).
- **Headless Mode (Long Press):** Activates headless flight.
- **Fine-tuning / Trim (Long Press):** Adjusts drone drift.
- **One-Key Takeoff/Landing (Long Press):** Initiates automatic takeoff or landing.

- **Emergency Landing (Long Press Both Sticks):** For immediate descent.
- **High-Speed Rotation (Short Press):** Performs a 360-degree rotation stunt.
- **Bubble On/Off (Short Press):** Activates or deactivates the bubble function.
- **Bubble Speed Switch (Long Press):** Adjusts bubble output speed.
- **Power On/Off (Long Press):** Turns the remote control on or off.

4. SETUP

4.1 Battery Installation and Charging

1. Insert 3 AAA batteries (not included) into the remote control.
2. Insert a fully charged drone battery into the battery compartment on top of the drone. Ensure it clicks into place.
3. To charge the drone battery, connect it to the USB charging cable and plug into a USB power source. The indicator light will show charging status.

Image: The drone with its two modular batteries, highlighting extended flight time.

4.2 Propeller Guard Attachment

For added safety, especially for beginners or children, attach the propeller guards:

1. Align each propeller guard with the corresponding arm of the drone.

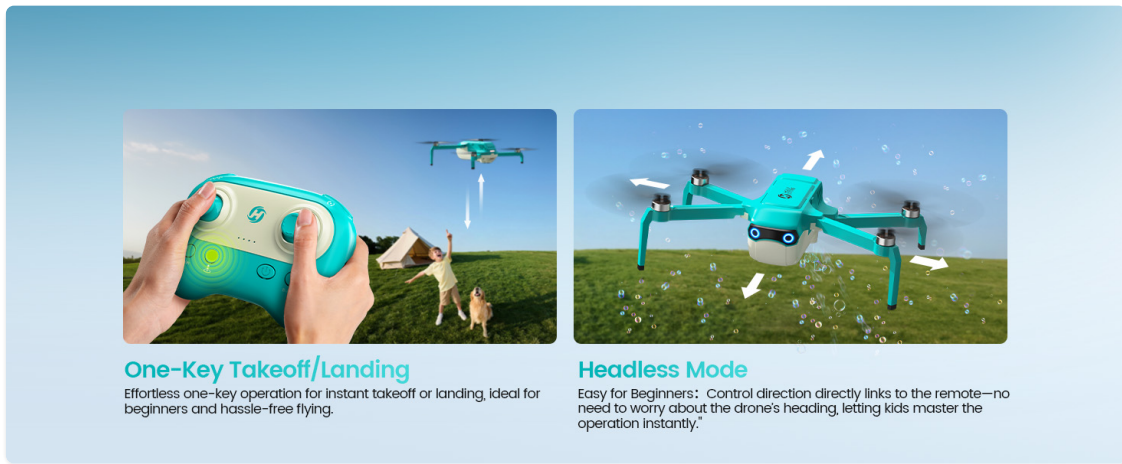2. Gently snap the guards into place. Ensure they are securely fastened.

Image: The drone with propeller guards, emphasizing safety and portability.

4.3 Preparing Bubble Solution

1. Mix the concentrated bubble solution with water in the provided empty bubble bottle (recommended ratio: 2 packets of concentrate + water).
2. Open the bubble tank on the drone's underside.
3. Carefully pour the mixed bubble solution into the tank using the small bottle.
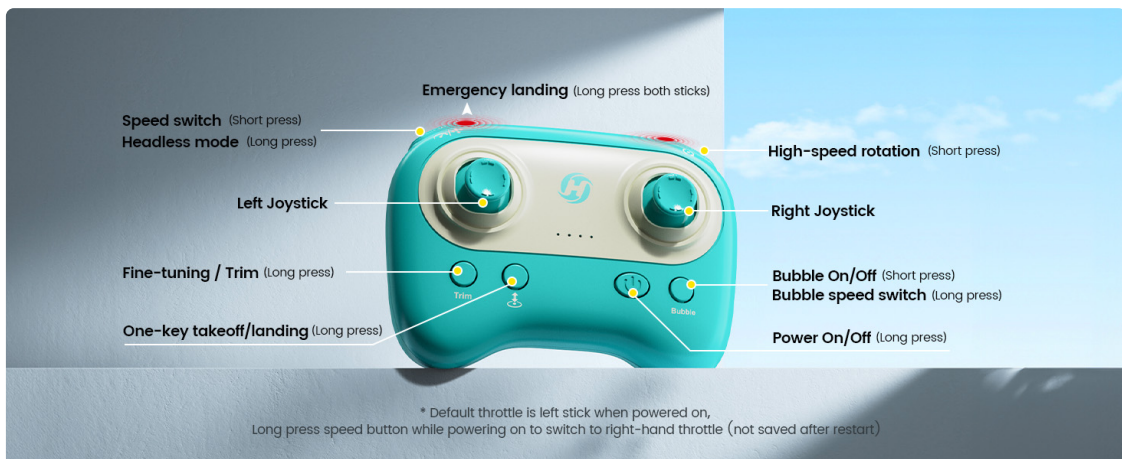4. Close the bubble tank securely.

Image: Instructions for filling the drone's bubble tanks.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Pairing

1. Long press the Power On/Off button on the remote control to turn it on.
2. Turn on the drone. The drone's indicator lights will flash.
3. Push the left joystick up and then down. The drone's lights will become solid, indicating successful pairing.

5.2 Takeoff and Landing

- **One-Key Takeoff:** Long press the One-Key Takeoff/Landing button. The drone will automatically ascend and hover.
- **One-Key Landing:** Long press the One-Key Takeoff/Landing button again. The drone will

automatically descend and land.

Image: A child controlling the drone, demonstrating ease of use for features like auto-rotation and bubble control.

5.3 Flight Controls

- **Headless Mode:** Long press the Headless Mode button. In this mode, the drone's orientation is relative to the pilot, simplifying control.
- **Auto-Rotation:** Short press the High-Speed Rotation button to perform a 360-degree spin.
- **Speed Adjustment:** Short press the Speed Switch button to cycle through low, medium, and high-speed settings.

Image: Visual guide to Headless Mode, One-Key Takeoff/Landing, and Three-Speed Adjustment.

5.4 Bubble Function

- **Activate Bubbles:** Short press the Bubble On/Off button on the remote.
- **Adjust Bubble Speed:** Long press the Bubble Speed Switch button to change the bubble output rate.

Note: It is recommended to manually turn off the bubble blowing function before landing to prevent nozzle damage from foreign object adsorption.

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Video: Official demonstration of the Holy Stone HS320 Bubble Drone's features, including bubble generation and flight.

6. MAINTENANCE

- **Cleaning:** Wipe the drone with a soft, dry cloth after use. Avoid water contact with electronic components.
- **Propeller Replacement:** If propellers are damaged, use the provided screwdriver to replace them with spare parts. Ensure correct orientation.
- **Bubble Tank Refilling:** Regularly refill the bubble solution as needed. Clean the bubble outlet if it becomes clogged.

7. TROUBLESHOOTING

- **Drone not responding:** Ensure both drone and remote are powered on and successfully paired. Check battery levels.
- **Drone drifting:** Use the Fine-tuning / Trim buttons on the remote to adjust its stability.
- **No bubbles:** Check if the bubble tank is filled and correctly installed. Ensure the bubble function is activated on the remote. Clean the bubble outlet if necessary.
- **Signal interference during multi-drone play:** Power on each drone and its remote one by one, waiting for successful pairing before activating the next set to avoid signal conflicts.

8. SAFETY GUIDELINES

- Always operate the drone in open, clear areas, away from people, animals, and obstacles.
- Avoid flying in strong winds or adverse weather conditions.
- Keep fingers and hair away from rotating propellers.
- Adult supervision is recommended for younger users.
- Do not modify the drone or its components.

9. SPECIFICATIONS

Feature	Detail
Brand	Holy Stone
Model Name	HS320
Special Feature	Bubble Maker
Connectivity Technology	Radio Frequency
Control Type	Remote Control
Material	Plastic
Item Weight	209 Grams (7.4 ounces)
Product Dimensions	9.84"L x 7.09"W x 2.76"H
Battery Cell Composition	Lithium Polymer
Batteries Included	Yes (2 Nonstandard Battery batteries)
Skill Level	All

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your Holy Stone HS320 Bubble Drone, please refer to the contact information provided in your product packaging or visit the official Holy Stone website.