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› Holy Stone HS210 Mini Drone Instruction Manual

## Holy Stone HS210

# Holy Stone HS210 Mini Drone Instruction Manual

## INTRODUCTION

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This manual provides essential information for the safe operation and maintenance of your Holy Stone HS210 Mini Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. This mini drone is designed for kids and beginners, featuring easy-to-use controls and durable construction for indoor flight.

## WHAT'S IN THE BOX

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

- Drone x1
- Drone Battery x 3
- USB Charger x 1
- Spare Propellers x 4
- Propellers Spanner x 1
- Screwdriver x 1



Image: The Holy Stone HS210 Mini Drone, remote control, three batteries, USB charger, spare propellers, propeller spanner, and screwdriver are included in the package.

## PRODUCT FEATURES

- **Easy to Use & More Fun:** The drone supports Toss to Launch, Circle Fly, 3D Flips, and High-Speed Rotation. One Key Start/Landing and Altitude Hold functions simplify operation for beginners.
- **Three-Speed-Mode Drone:** Low, middle, and high-speed modes cater to different skill levels. The 2.4GHz remote control allows multiple drones to operate simultaneously without interference.
- **Extended Flight Time:** Comes with 3 batteries, providing up to 21 minutes of total flight time. A low battery power alarm helps prevent unexpected landings.
- **Safety Design Micro Drone:** Propellers are protected by guards to prevent injury. The Emergency Stop function allows for immediate landing in critical situations.
- **Mini & Portable Size:** Measuring 3.15\*3.15\*1.18 inches, this drone is easy to carry and suitable for various indoor environments.



Image: The drone supports 'Toss to Go' for easy launch and 'One-Key Takeoff/Landing' for effortless flight control.



Image: The drone is capable of performing 360-degree flips for aerial stunts.

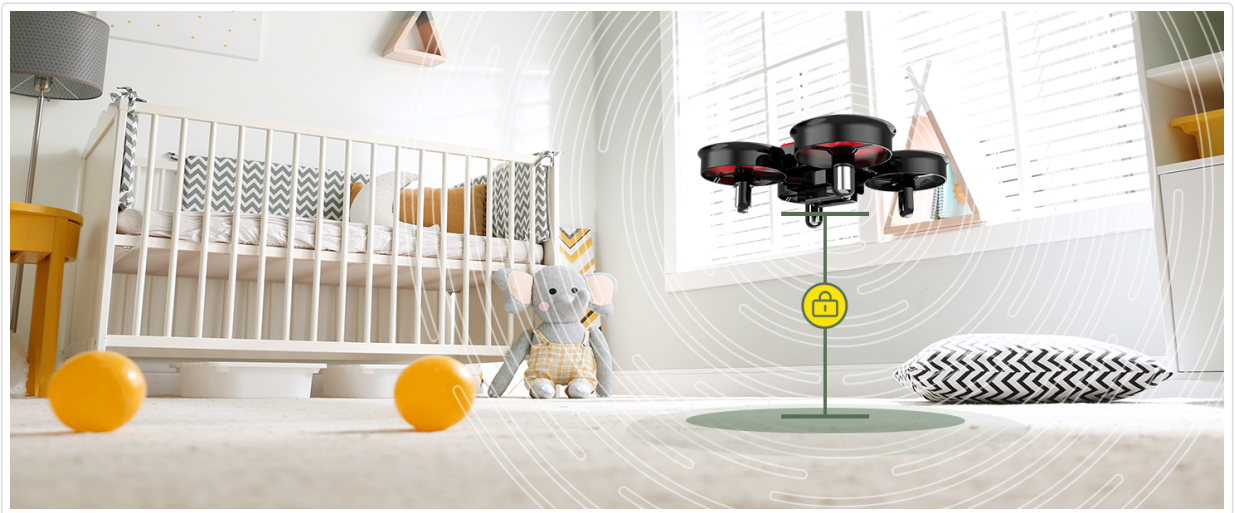


Image: The drone can execute a 'Circle Fly' maneuver by holding down a remote button.



Image: The drone offers three speed modes (Low, Middle, High) suitable for various skill levels.



Image: The drone includes 'Headless Mode' for simplified orientation and 'Altitude Hold' for stable hovering.



## Full Protection Durable



Image: The drone features full protection guards and an emergency stop function for enhanced safety and durability.



## Modes Switch

# 3 Speeds



High

Middle

Low

Image: The drone's extended flight time is illustrated, showing 21 minutes of flight with three batteries compared to 7 minutes with one.

## CHARGING THE BATTERIES

To charge the drone batteries:

1. Connect the drone battery to the USB charger.
2. Plug the USB charger into a compatible USB power source (e.g., computer, USB wall adapter).
3. The indicator light on the charger will show the charging status. Refer to the charger's specific instructions for light indications (usually red for charging, green for fully charged).
4. Charging time is approximately 40-60 minutes per battery.

**Note:** Always use the provided USB charger. Do not leave batteries unattended while charging.

## CONTROLLER OVERVIEW

Familiarize yourself with the remote control's layout and functions:



Image: The remote control for the Holy Stone HS210 drone, showing the left joystick (throttle/yaw), right joystick (pitch/roll), speed switch, 360-degree flip button, auto-rotation button, indicator light, one-key start/landing, and headless mode button.

- **Left Joystick:** Controls throttle (up/down) and yaw (left/right rotation).
- **Right Joystick:** Controls pitch (forward/backward) and roll (left/right sideways flight).
- **Speed Switch (Short Press):** Cycles through low, medium, and high-speed modes.
- **360° Flips (Short Press):** Initiates a 360-degree flip in the direction of the right joystick.
- **Auto-Rotation (Long Press):** Activates the auto-rotation function.
- **One Key Start/Landing:** Press to automatically take off or land the drone.
- **Headless Mode:** Press to activate headless mode, where the drone's orientation is relative to the pilot.
- **Indicator Light:** Shows power and connection status.
- **Turn ON/OFF:** Power switch for the remote control.

## PRE-FLIGHT CHECKLIST

Before each flight, perform the following checks:

1. Ensure the drone batteries are fully charged.
2. Ensure the remote control has fresh batteries (3x AAA, not included).
3. Check that all propellers are securely attached and undamaged.
4. Choose a clear, open indoor area free from obstacles, people, and pets.

5. Power on the remote control, then connect the drone battery to power on the drone.
6. Pair the drone with the remote control (see Operating Instructions).

## OPERATING INSTRUCTIONS

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### Pairing the Drone

1. Place the drone on a flat, level surface.
2. Turn on the remote control. The indicator light will flash.
3. Connect the drone battery. The drone's lights will flash.
4. Push the left joystick (throttle) all the way up, then all the way down. The remote control will beep, and the drone's lights will become solid, indicating successful pairing.

### Take-off and Landing

- **One Key Take-off:** After pairing, press the One Key Start/Landing button. The drone will automatically take off and hover at a stable altitude.
- **Manual Take-off:** After pairing, push both joysticks down and outwards simultaneously to start the propellers. Then, slowly push the left joystick (throttle) up to take off.
- **One Key Landing:** During flight, press the One Key Start/Landing button. The drone will automatically descend and land.
- **Manual Landing:** Slowly pull the left joystick (throttle) down until the drone lands. Once landed, push both joysticks down and inwards to stop the propellers.

### Basic Flight Controls

- **Throttle (Left Joystick Up/Down):** Increases or decreases altitude.
- **Yaw (Left Joystick Left/Right):** Rotates the drone left or right on its vertical axis.
- **Pitch (Right Joystick Up/Down):** Moves the drone forward or backward.
- **Roll (Right Joystick Left/Right):** Moves the drone sideways to the left or right.

### Special Functions

- **3D Flips:** While flying, short press the 360° Flips button, then quickly move the right joystick in the desired flip direction (forward, backward, left, or right).
- **Headless Mode:** Press the Headless Mode button. The drone will orient itself relative to the remote control, making it easier to fly without worrying about the drone's front direction. Press again to exit.
- **Circle Fly:** Long press the Speed Switch button to activate Circle Fly mode. The drone will fly in a circle.
- **Toss to Launch:** With the drone powered on and paired, gently toss it into the air. The propellers will automatically start, and the drone will hover.

## MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your drone:

- **Propeller Replacement:** If a propeller is damaged, use the provided propeller spanner and screwdriver to carefully remove the old propeller and install a new one. Ensure the correct propeller type (A or B) is installed in the corresponding motor.
- **Cleaning:** Use a soft, dry cloth to clean the drone body and propellers. Avoid using water or harsh chemicals.
- **Storage:** Store the drone and accessories in a cool, dry place away from direct sunlight and extreme

temperatures. Remove batteries from the remote control if storing for extended periods.

## TROUBLESHOOTING

If you encounter issues, refer to the following common solutions:

- **Drone not responding:** Ensure the drone and remote control are powered on and properly paired. Check battery levels.
- **Drone drifting:** Perform a calibration. Place the drone on a flat surface, then push both joysticks down and to the bottom-right simultaneously until the lights flash, indicating calibration is complete.
- **Weak flight/short flight time:** Fully charge all batteries. Check for damaged propellers or debris obstructing the motors.
- **Propellers not spinning:** Check for hair or debris wrapped around the motor shafts. Carefully remove any obstructions.
- **Multiple drones interfering:** When operating multiple drones, power on and pair each drone with its remote control separately to prevent frequency interference.

## SPECIFICATIONS

Feature	Detail
Brand	Holy Stone
Model Name	HS210
Item Weight	22 Grams
Item Dimensions L x W x H	3.15"L x 3.15"W x 1.18"H
Connectivity Technology	2.4GHz
Maximum Range	50 Meters
Battery Capacity	250 Milliamp Hours
Skill Level	Beginner
Special Features	Toss to Launch, Circle Fly, 3D Flips, Auto Rotation, Multiple Speed Modes, Multiple Drone Racing

## WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Holy Stone customer service directly. Refer to the product packaging or the official Holy Stone website for the most up-to-date contact details.