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Holy Stone USAHS790

Holy Stone HS790 GPS 6K Camera Drone User Manual

Model: USAHS790 | Brand: Holy Stone

1. Introduction and Overview

The Holy Stone HS790 is a high-performance GPS drone designed for aerial photography and videography. It features advanced stabilization, extended transmission range, and intelligent flight modes to enhance your flying experience.



Figure 1: Holy Stone HS790 Drone with remote control, battery hub, and carrying case.

- **Ultra-Stable 4K Footage:** Capture smooth, professional-quality 4K/30FPS videos and high-resolution 6K photos using a built-in 3-axis mechanical gimbal.
- **Extended HD Transmission:** Equipped with advanced Holy Stone WiFi Repeater tech, the HS790 delivers real-time video transmission in ultra-clear 4K up to 9KM/30000Ft away.
- **Dual Intelligent Batteries:** Comes with two modular batteries offering up to 60 minutes total flight time. The included Smart PD Charging Hub also doubles as a power bank.
- **Beginner-Friendly Features:** One-Key Control for take-off, landing, and return, Altitude Hold, Headless Mode, and Speed Adjustment.
- **Night Flying Mode:** Holy Stone's latest navigation system and a dedicated Night Mode enhance visibility during twilight or dark flights.
- **Smart GPS Navigation:** GPS-enabled functions like Auto Return to Home, Follow Me, and Waypoint Flight for safer and easier flying.
- **Built-In Remote ID (RID) Compliance:** Stay FAA-compliant with integrated RID, broadcasting drone location.
- **Durable Brushless Motors:** Powered by 1506 high-end brushless motors for efficient, stable, and quiet flight.
- **Compact & Travel-Ready:** Foldable body that fits neatly into the included premium carrying case.

2. What's in the Box

Your Holy Stone HS790 package includes the following items:

- 1x Holy Stone HS790 6K Camera Drone with 3 Axis Gimbal
- 2x Intelligent Drone Batteries & 1x Smart PD Charging Hub
- 1x Holy Stone HS790 6K Drone Remote Control
- 1x Complete Set of Drone Accessories (Charging Cable, Extra Propeller Blades, Screws, Screwdriver, User Manual, Drone Propeller Holder)



Figure 2: All components included in the Holy Stone HS790 package.

3. Setup

3.1 Charging Batteries

Before first use, fully charge both intelligent drone batteries using the provided Smart PD Charging Hub. Connect the hub to a power source using the charging cable. The hub supports fast charging.



Figure 3: Dual Intelligent Batteries with Smart PD Charging Hub.

3.2 Propeller Installation

Attach the propellers to the drone arms. Ensure correct propeller type (A or B) is matched to the corresponding motor. Use the provided screws and screwdriver for secure installation.

3.3 App Installation

Download the 'HS GPS V5' app on your mobile device. This app is essential for controlling the drone and accessing its advanced features.

- For Android devices: Download HS GPS V5 for Android
- For iOS devices: Download HS GPS V5 for iOS

For a visual guide on app usage and basic flight, watch the official Holy Stone video:

Video: How to fly with Holy Stone (Creator: Holy Stone)

4. Operating Instructions

4.1 Basic Flight Controls

Familiarize yourself with the remote control. Use the joysticks for directional control and altitude adjustment. The drone features One-Key Take-off and Landing for ease of use.



Figure 4: Remote control with mobile device holder and 9KM/30000Ft transmission range.

4.2 Intelligent Flight Modes

The HS790 offers several intelligent flight modes for enhanced aerial photography and convenience:

- **Follow Me:** The drone automatically follows your movement, capturing dynamic footage.

- **Waypoint Flight:** Plan a custom flight path on the app, and the drone will automatically follow it.
- **AI QuickShots:** Pre-programmed cinematic flight patterns for effortless professional-looking shots.
- **Auto Return to Home:** The drone returns to its take-off point automatically when the battery is low or signal is lost.



Figure 5: Smart Return, Follow Me, and Tap Fly functions.

4.3 Camera Operation

Utilize the 3-axis gimbal for stable 4K/30FPS video and 6K photo capture. The AI Night Shot mode optimizes low-light performance.



Figure 6: Drone camera with 3-axis gimbal stabilization.

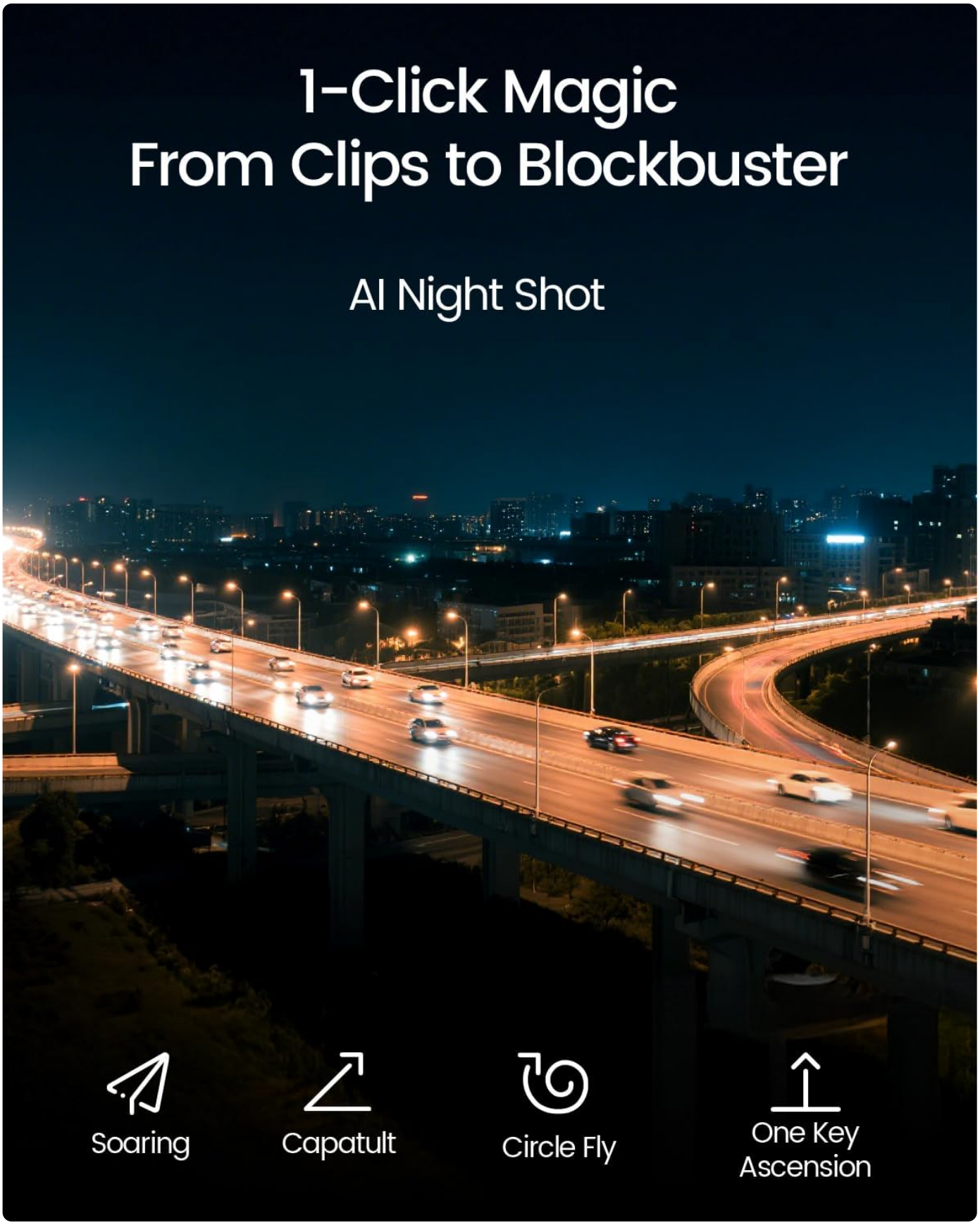


Figure 7: AI Night Shot capability for low-light conditions.

5. Maintenance

5.1 Battery Care

Always use the provided Smart PD Charging Hub for charging. Store batteries in a cool, dry place away from direct sunlight. Avoid overcharging or completely draining the batteries to prolong their lifespan.

5.2 Propeller Replacement

Inspect propellers for damage before each flight. Replace any bent, cracked, or chipped propellers immediately using the extra propeller blades and screwdriver provided in the accessory kit.

5.3 General Cleaning

Wipe the drone body and camera lens with a soft, dry cloth after each use. Avoid using harsh chemicals or abrasive materials.

6. Troubleshooting

6.1 Unstable Flight

Ensure propellers are correctly installed and undamaged. Perform IMU calibration as per the app's instructions. Check for strong wind conditions and fly in calm environments if necessary.

6.2 GPS Signal Loss

Fly in open areas away from tall buildings or strong magnetic interference. Ensure the drone has acquired enough satellites before take-off. If signal is lost during flight, the Auto Return to Home function should activate.

6.3 Remote ID Compliance

The Holy Stone HS790 has built-in Remote ID compliance. Ensure your drone's firmware is up to date via the HS GPS V5 app to maintain compliance with FAA regulations.



Figure 8: Built-in Remote ID (RID) for FAA compliance.

7. Specifications

Feature	Detail
Brand	Holy Stone
Model Number	USAHS790
Color	Silver
Video Capture Resolution	4K/30FPS
Connectivity Technology	Wi-Fi Repeater
Skill Level	All
Item Weight	375.5 Grams (13.2 ounces)
Product Dimensions	11.61"L x 8.39"W x 3.54"H
Battery Cell Composition	Lithium Polymer
Special Features	Built-in Remote ID FAA-Compliant, Professional Aerial Photography, 9KM/30000Ft Transmission Range, SONY 1/3.2" CMOS Sensor, f/2.0 Aperture, 3 Axis Gimbal, AI QuickShots, Night Vision, Dual Intelligent Batteries & Smart PD Charging Hub

8. Warranty & Support

Holy Stone is committed to providing excellent customer service and product reliability:

- **30-Day Zero-Risk Sky Trial:** Fly it, love it, or return it – no explanations needed.
- **24/7 Guardian Support:** Real-time expert assistance for every flight emergency.
- **12-Month SkyShield Warranty:** Full coverage for motors, batteries, and critical systems.

For further assistance, please visit the Holy Stone Store on Amazon.

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Details

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