

HOVERAir ZZ-H-1-004

HOVERAir X1 PROMAX User Manual

Model: ZZ-H-1-004

1. INTRODUCTION

The HOVERAir X1 PROMAX is a revolutionary 8K action flying camera designed for adventurers and content creators. This foldable drone offers advanced features such as 8K@30fps video recording, SmoothCapture 2.0 stabilization, and over 10 fully automatic flight modes. Its lightweight and durable design, coupled with OmniTerrain capabilities, allows for versatile use in various environments. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your HOVERAir X1 PROMAX to ensure optimal performance and safety.

2. WHAT'S IN THE BOX

Your HOVERAir X1 PROMAX package includes the following components:

- HOVERAir X1 PROMAX Drone (x1)
- HOVERAir X1 PROMAX Smart Battery (x1)
- USB Charging Cable (x1)
- Quick Start Guide (x1)



Figure 1: HOVERAir X1 PROMAX and its standard accessories.

3. SETUP

3.1. Battery Installation and Charging

The HOVERAir X1 PROMAX uses smart batteries designed to prevent overcharging and over-discharging, ensuring longevity and safety. Insert the battery firmly into the designated slot on the drone until it clicks into place. To charge, connect the battery or the drone directly to the charging cable and a power source.

Fly Fast, Follow Fast

HOVERAir PRO MAX



- Up to 42km/h
- Rear Active Collision Detection
- Level 5 Wind Resistance

HOVERAir X1



- Up to 25.12km/h
- ×
- Level 4 Wind Resistance

Figure 2: HOVERAir X1 PROMAX Smart Battery.

3.2. Folding and Unfolding

The HOVERAir X1 PROMAX features a foldable design for enhanced portability and safety. To unfold, gently extend the propeller guards until they lock into their flight position. To fold, reverse the process, ensuring the guards are securely tucked against the drone's body for compact storage.



Figure 3: The HOVERAir X1 PROMAX in its folded, portable state.

3.3. App Connection

For full control and access to advanced features, download the HOVERAir X1 app from your device's app store.

Power on the drone, then open the app and follow the on-screen instructions to connect your device to the drone via Wi-Fi. The app allows you to configure flight modes, download and share content, and launch manual control.

Manual ISO, Post Editing Capabilities



ORIGINAL



4. OPERATING INSTRUCTIONS

4.1. Takeoff and Landing

The HOVERAir X1 PROMAX supports hands-free operation. To initiate takeoff, simply launch the drone from your hand with a simple click or voice command. The drone will automatically stabilize and begin hovering. For landing, use the designated command in the app or a pre-programmed gesture, and the drone will safely return to a stable surface.

4.2. Flight Modes

The drone features over 10 fully automated flight modes, allowing you to capture diverse footage effortlessly. These include:

- **Hover:** Maintains a stable position in the air.
- **Zoom Out:** Flies backward and upward to reveal the surrounding landscape.
- **Follow:** Tracks a designated subject, keeping them in the frame.
- **Dolly Track:** Moves backward while keeping the subject at a constant distance.
- **Side Track:** Moves sideways while keeping the subject in frame.
- **Orbit:** Circles around a subject.
- **Ski Mode:** Optimized for capturing skiing action.
- **Cycling Mode:** Optimized for capturing cycling action.

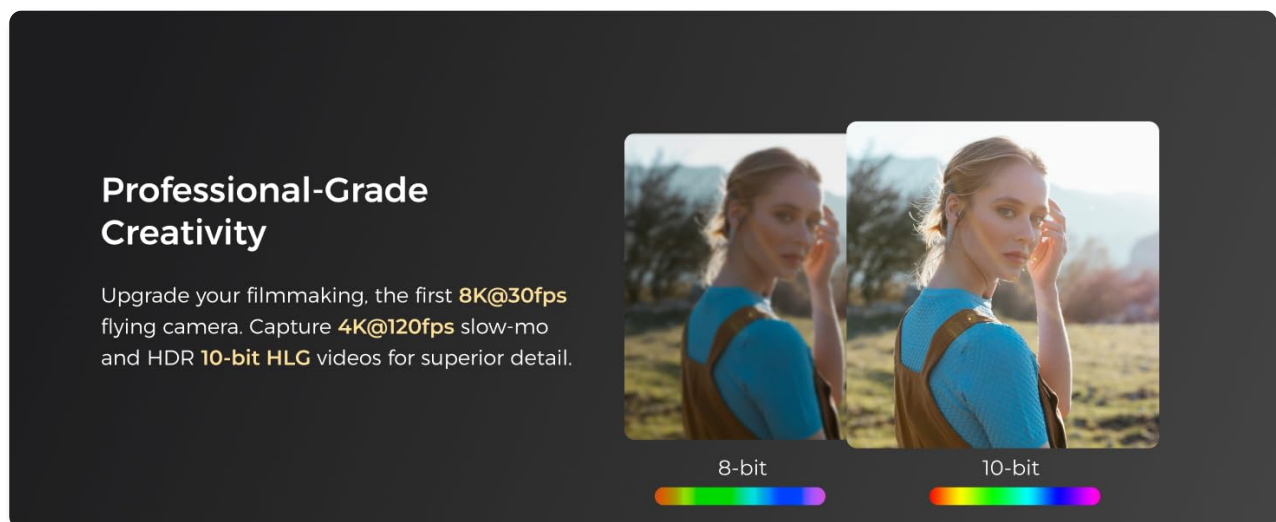


Figure 5: Examples of intelligent flight modes for dynamic capture.

4.3. OmniTerrain Capability

The innovative OmniTerrain feature enables the HOVERAir X1 PROMAX to fly across various challenging environments, including snow, water, and cliffs. This ensures you can capture stunning footage regardless of the terrain.

OmniTerrain



Cliff Ready



Water Ready



Snow Ready

Figure 6: OmniTerrain capability allows flight over diverse landscapes.

4.4. Speed and Tracking

The HOVERAir X1 PROMAX features an upgraded aerodynamic design, allowing it to reach follow speeds of up

to 42 KM/H (26 mph) and a top burst speed of 60 KM/H. The enhanced chip and tracking algorithm keep you centered in the frame, even during high-speed activities like cycling or skiing.

HOVERAir

X1 PRO | PRO MAX

8K Action Camera

Horizontal: 8K@30fps, Vertikal: 4K@30fps



Figure 7: High-speed tracking for dynamic action shots.

5. CAMERA FEATURES

5.1. 8K Video and SmoothCapture 2.0

Capture stunning 8K@30fps videos (horizontal) and 4K@30fps (vertical) with the HOVERAir X1 PROMAX. The drone features a two-axis gimbal with Electronic Image Stabilization (EIS) and Horizon Leveling (HL) for steadier shots and effortless filming during movement. The 107° FOV lens delivers immersive visual impact.

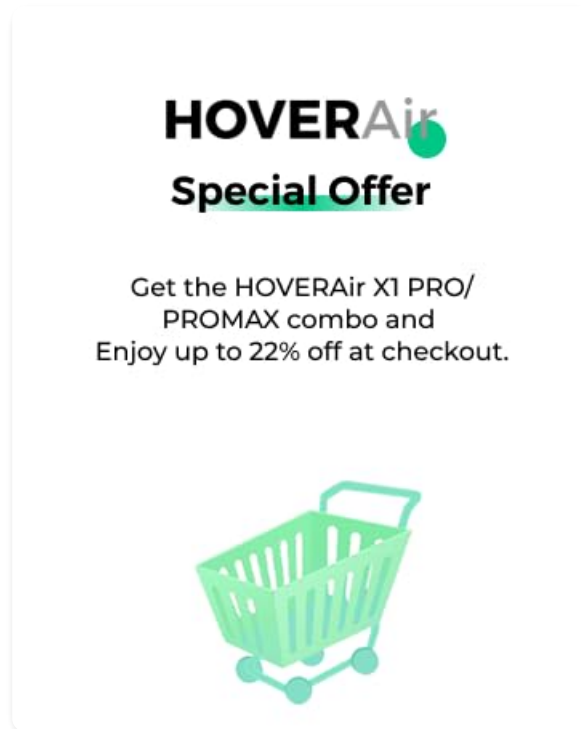


Figure 8: The HOVERAir X1 PROMAX is equipped with an 8K action camera.

5.2. Manual ISO and Post-Editing Capabilities

The HOVERAir X1 PROMAX supports DNG format, providing post-editing functionality and manual ISO settings, suitable for professional photographers. This allows for greater flexibility and control over your captured images and videos.

Free Your Hands And Your Perspective

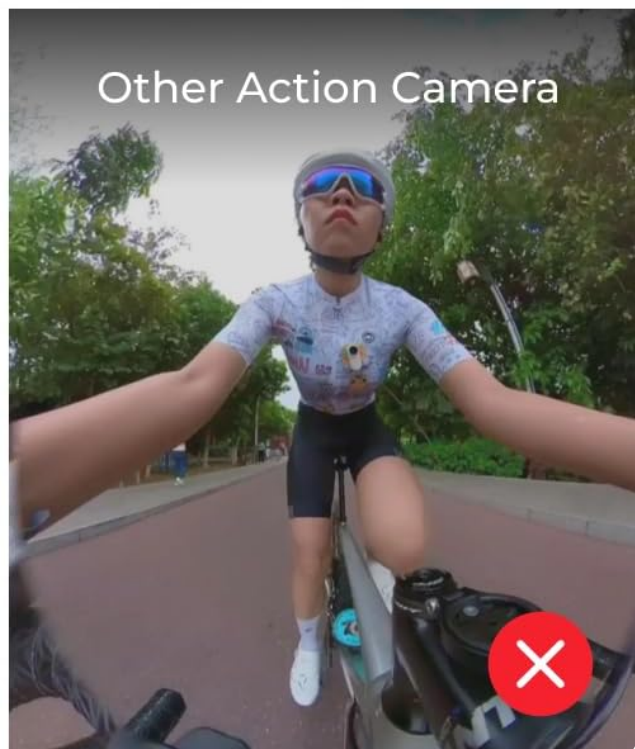
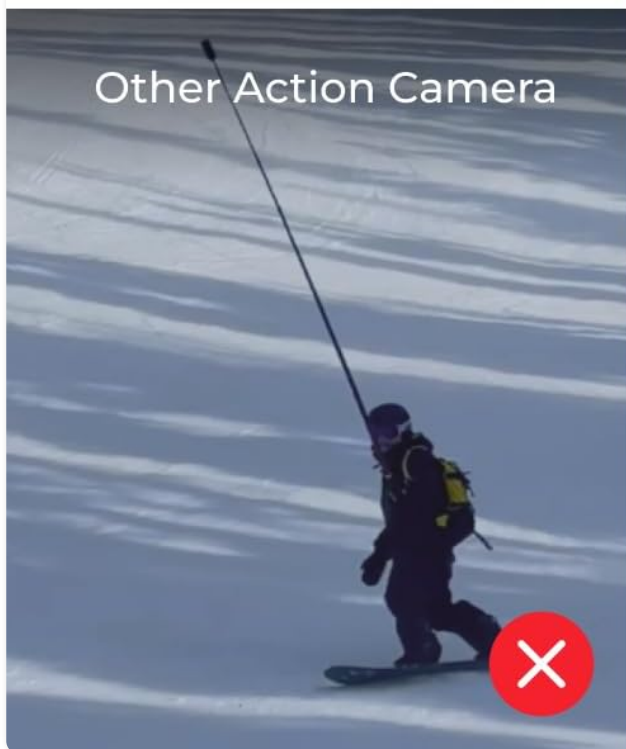


Figure 9: Manual ISO provides enhanced control for professional results.

6. MAINTENANCE

6.1. Cleaning

Regularly clean the drone, especially the propellers and camera lens, to ensure optimal performance. Use a soft, dry cloth for the body and a lens cleaning cloth for the camera. Avoid using harsh chemicals or abrasive materials.

6.2. Storage

Store the HOVERAir X1 PROMAX in a cool, dry place away from direct sunlight. Ensure the battery is partially charged (around 50-60%) before long-term storage to maintain battery health. The foldable design and included carrying case facilitate safe and convenient storage.

7. TROUBLESHOOTING

If you encounter any issues with your HOVERAir X1 PROMAX, refer to the following common problems and solutions:

- **Connection Issues:** Ensure the drone is powered on and within range of your device. Restart both the drone and the app.
- **Flight Instability:** Check for any obstructions in the propellers or damage to the propeller guards. Ensure the drone is taking off from a stable, level surface.
- **Image/Video Quality:** Clean the camera lens. Ensure proper lighting conditions. Adjust camera settings like ISO if needed.
- **Collision Detection:** The HOVERAir X1 PROMAX features an advanced rear ToF (Time of Flight) proximity sensor and visual sensor, supporting braking before collisions in speeds up to 3m/s when detecting obstacles. If the drone is not avoiding obstacles, ensure sensors are clean and unobstructed.

8. SPECIFICATIONS

Feature	Specification
Brand	HOVERAir
Model Number	ZZ-H-1-004
Color	Black
Video Capture Resolution	8K@30fps (Horizontal), 4K@30fps (Vertical)
Connectivity Technology	USB
Included Components	HOVERAir X1 PROMAX*1, HOVERAir X1 PROMAX Smart Battery*1
Video Capture Format	MP4
Media Type	SD (supports up to 1TB external SD card)

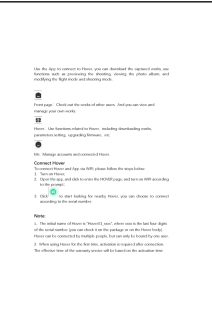


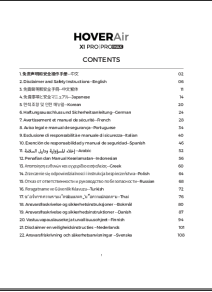

Battery Cell Composition	Lithium Ion
Item Weight	2.9 pounds

9. WARRANTY AND SUPPORT

HOVERAir Team provides the following service support:

- 1-year warranty against manufacturing defects.
- After-sales Mailbox: support@hoverair.com

Related Documents - ZZ-H-1-004

	<p>HOVERAir X1 App User Instructions: Connect, Control, and Update Your Drone</p> <p>Comprehensive guide to using the HOVERAir X1 mobile application for drone connectivity, flight control, media download, parameter modification, and firmware updates. Learn how to manage your drone and account.</p>
	<p>HOVERAir X1 PRO/PROMAX Quick Start Guide and User Manual</p> <p>Comprehensive guide for the HOVERAir X1 PRO/PROMAX drone, covering setup, flight modes, specifications, PowerCase usage, battery safety, and warranty information.</p>
	<p>HOVERAir X1 Smart Drone: Getting Started, Specifications, and Safety Guide</p> <p>A comprehensive guide to the HOVERAir X1 Smart drone, covering setup, operation, safety guidelines, specifications, and warranty information.</p>
	<p>HOVERAir X1 PRO/PROMAX: Safety Instructions and Disclaimer</p> <p>Comprehensive guide to safely operating the HOVERAir X1 PRO and X1 PROMAX flying cameras, covering flight regulations, maintenance, and essential safety precautions.</p>
	<p>Hover X1 App User Manual and Instructions HOVERAir Drone</p> <p>Download and use the Hover X1 App with your HOVERAir drone. This guide covers connecting, controlling, downloading footage, updating firmware, and managing your account.</p>

HOVERAir

快速入门指南

Quick Start Guide

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[HOVERAir X1 PRO/PROMAX Quick Start Guide](#)

Get started with the HOVERAir X1 PRO/PROMAX flying camera. This guide covers setup, app connection, flight operations, and key specifications for quick and intuitive aerial photography.