

## HOVERAir X1

# HOVERAir X1 Drone User Manual

Self-Flying Camera Drone with Follow Me Mode, Foldable Mini Drone with HDR Video Capture

## INTRODUCTION

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The HOVERAir X1 is an advanced self-flying camera drone designed for effortless aerial photography and videography. Its compact, foldable design and intelligent flight modes make it suitable for capturing dynamic moments hands-free. This manual provides essential information for setting up, operating, and maintaining your HOVERAir X1 drone.



Image: The HOVERAir X1 drone in its unfolded state, alongside its accessories including two extra batteries, a charging hub, a storage bag, and a USB cable.

## What's in the Box

- HOVERAir X1 Self-Flying Camera (with pre-installed battery) x1
- Battery x2
- Battery Charging Hub x1
- USB Cable x1
- Storage Bag x1

## SETUP

### Battery Activation and Charging

Before first use, ensure all batteries are fully charged using the provided charging hub. This process also activates the batteries for optimal performance.

1. Connect the battery to the charging hub.
2. Plug the charging hub into a power source using the USB cable.
3. For the first charge of each battery, allow 35-55 minutes. Charging time may vary based on your charger; a 20W+ fast charger is recommended.
4. Once charged, your battery is successfully activated and ready for use.

## New Drone Activation Guide



**Before powering on, please connect it to the charging hub for a full charge.**



**35-55 mins**

**For the first charge of each battery, it is recommended to use the charging hub for 35-55 minutes.**

\*(Note: Charging time may vary depending on your charger. A 20W+ fast charger is recommended.)



**Your battery has been successfully activated, ensuring maximum endurance performance!**

Note: Initial activation only. No need for deep discharge in regular use

Image: A visual guide illustrating the steps for new drone battery activation, including connecting to the charging hub and recommended charging times.

### Initial Setup Steps

1. Unfold the HOVERAir X1 drone carefully.
2. Press and hold the power button to turn on the device.

3. Download and install the Hover X1 App on your smartphone.
4. Connect your smartphone to the drone via Wi-Fi as instructed in the app.
5. Select your desired flight mode within the app or directly on the drone.

# Beginner Friendly

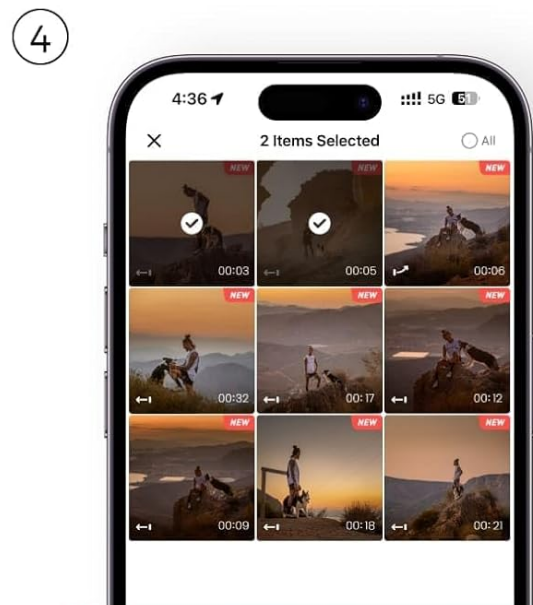
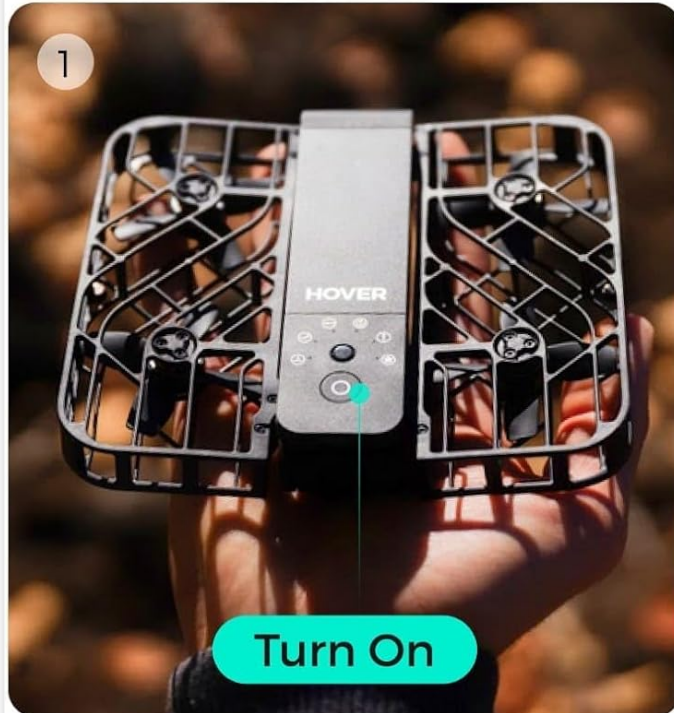


Image: A step-by-step visual guide for beginners, demonstrating how to turn on the drone, select a flight mode, perform a palm takeoff, and download content via the app.

## OPERATING THE HOVERAIR X1

### Intelligent Flight Paths

The HOVERAir X1 features pre-programmed intelligent flight paths for hands-free operation. Each battery supports approximately 20 intelligent flight paths (11 minutes of flight time).

- **Hover Mode:** The drone hovers stably in place, ideal for static shots.
- **Follow Me Mode:** The drone tracks your movement at speeds up to 15 mph, keeping you in the center of the frame.
- **Zoom Out Mode:** The drone flies backward and upward, revealing more of the surrounding environment.
- **Orbit Mode:** The drone circles around a subject, capturing a dynamic 360-degree view.
- **Bird's Eye Mode:** The drone ascends to capture a top-down perspective.



- **Manual Control:** Use the Hover X1 App for precise manual control over the drone's flight path.

# 9+ Intelligent Flight Modes

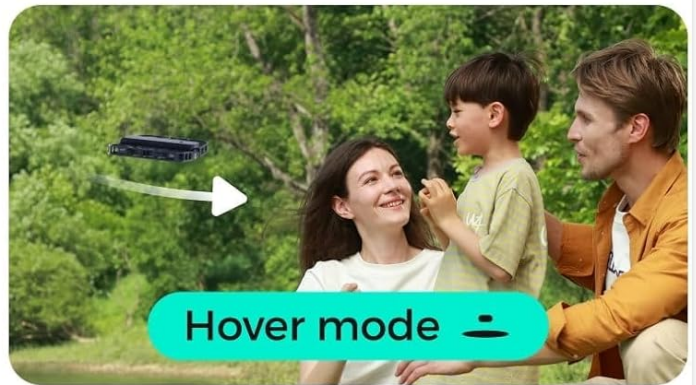


Image: An illustration of various intelligent flight modes such as Hover, Zoom Out, Follow, Orbit, and Bird's Eye, showing how the drone captures different perspectives.

## Gesture Controls

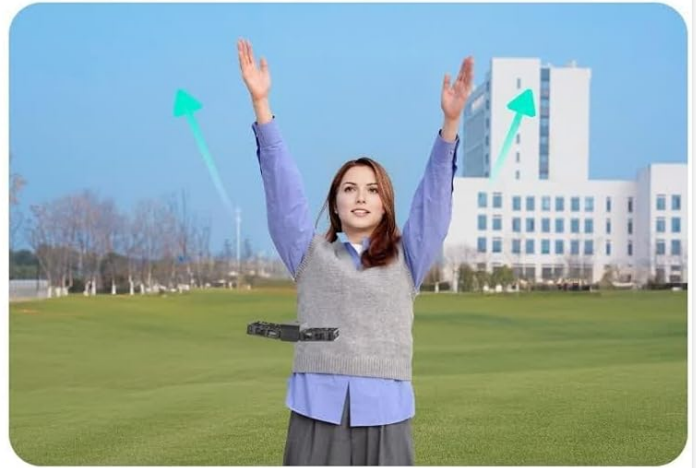
Certain flight modes and actions can be initiated using specific hand gestures, providing a truly hands-free experience.

- **Gesture for Landing:** Cross your hands above your head.
- **Gesture for Bird's Eye:** Raise both your hands.
- **Gesture for Zoom Out:** Wave both your hands twice.
- **Gesture for Orbit-R (Right):** Wave your right hand twice.
- **Gesture for Orbit-L (Left):** Wave your left hand twice.

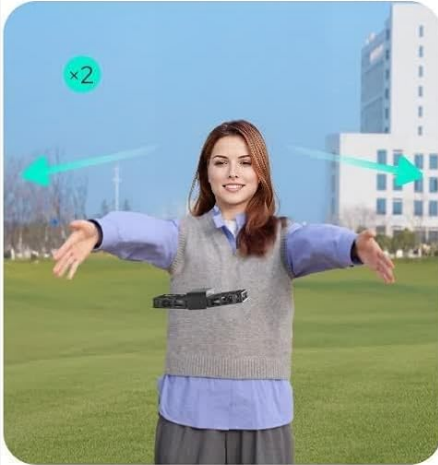
# Multiple Gesture Controls



**Gesture for Landing**  
Cross your hands above your head.



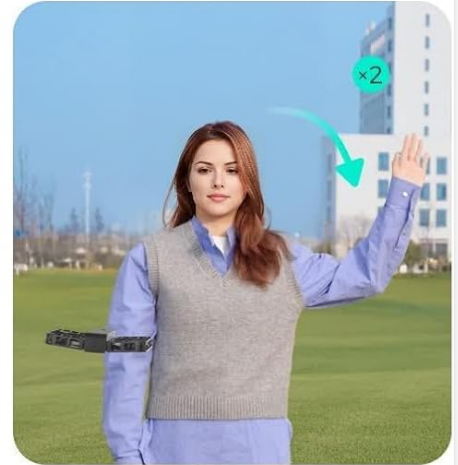
**Gesture for Birds' Eye**  
Raise both your hands.



**Gesture for Zoom out**  
Wave both your hands twice.



**Gesture for Orbit-R**  
Wave your hand twice.



**Gesture for Orbit-L**  
Wave your hand twice.

Image: A visual guide demonstrating various hand gestures for controlling the drone, including gestures for landing, Bird's Eye mode, Zoom Out, and Orbit modes.

## Live Monitoring and Content Management

Utilize the Hover X1 App for real-time previews of the drone's camera feed. After your flight, download photos and videos directly to your device via the app. The drone features 32GB of internal storage, eliminating the need for SD cards and ensuring privacy with locally stored content. Content can also be downloaded by connecting the drone to a computer.

## IMAGE & VIDEO CAPTURE

The HOVERAir X1 camera drone supports a maximum of 2.7K@30fps and 1080P HDR video shooting. Its triple stabilization system ensures smooth video effects and excellent fast motion capturing capability.





Image: A comparison showing the effectiveness of the drone's triple stabilization system, resulting in clear and smooth 1080p video at 60 frames per second.

## Face AE Technology

The integrated Face AE Technology optimizes exposure for faces, ensuring natural and well-lit portraits and videos even in challenging lighting conditions.

# Face AE Technology

Making Photos Look More Natural

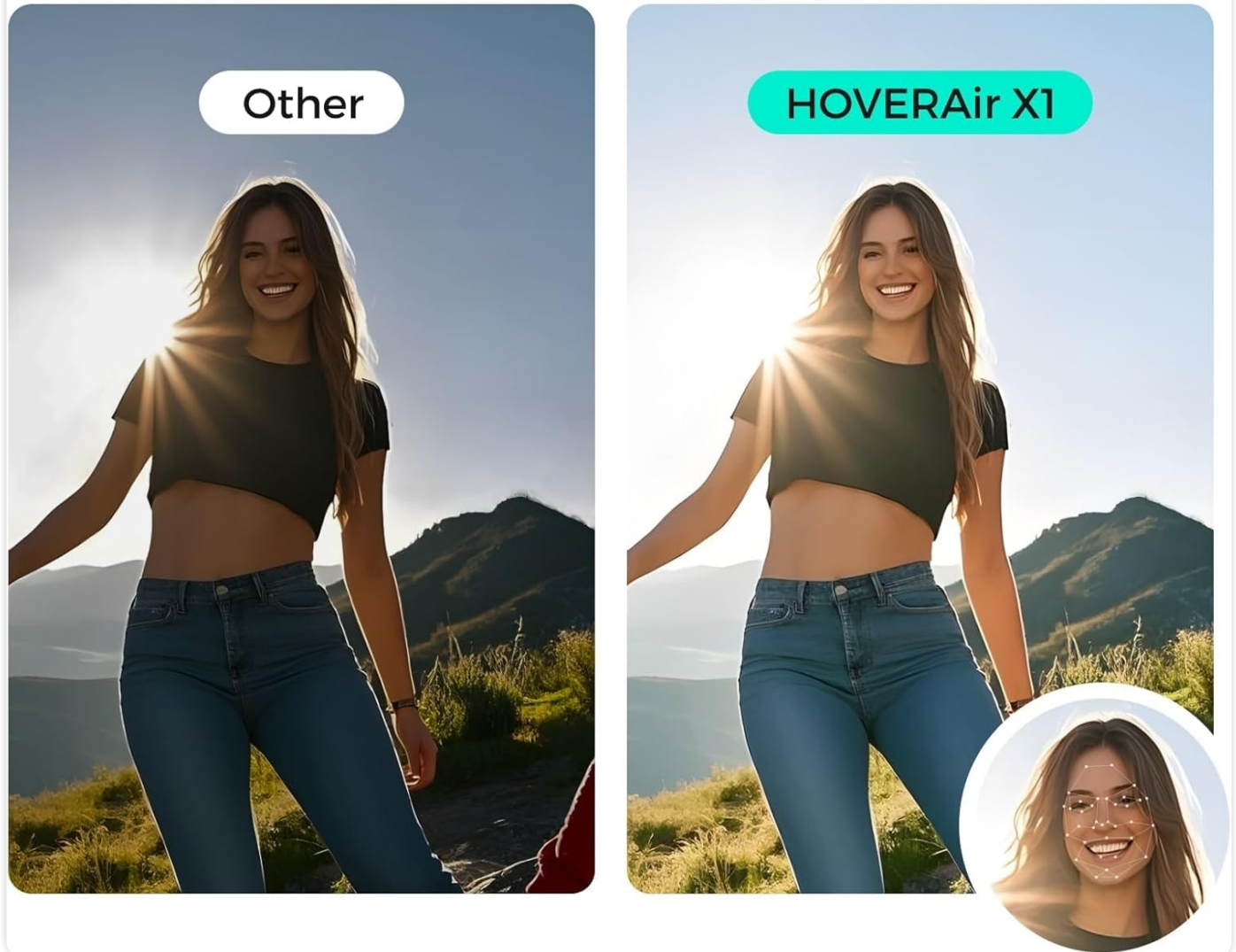


Image: A side-by-side comparison demonstrating the improvement in facial exposure and natural appearance when using the drone's Face AE Technology compared to standard capture.

## SAFETY AND DESIGN

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### Portability and Safety Features

Weighing only 125g (4.41oz), the HOVERAir X1 is lighter than most smartphones and is exempt from FAA registration requirements. Its foldable design enhances portability, making it easy to carry for any adventure.



# Ultra Lightweight and Foldable

**125g**

5"

3.9"

FAA Registration and Remote ID are not Required

Image: The HOVERAir X1 drone, shown folded and compact, being placed into a small bag, highlighting its ultra-lightweight and foldable design.

The drone features a fully enclosed design with safety guards, providing protection for both the drone and its surroundings. This design allows for safe close-range shooting and ensures safety for users of all ages.

# Perfectly Safe



**Lightweight and Hyper  
-Elasticaerospace-Grade Material**

Image: The HOVERAir X1 drone, showcasing its fully enclosed design and safety guards made from lightweight and hyper-elastic aerospace-grade material, emphasizing its safety features.

## Environmental Considerations

The Hover X1 is designed to withstand winds up to level 4 (7.9 m/s). Its flight performance may be compromised at altitudes above 2,000 meters. For optimal performance and safety, it is strongly recommended to avoid using the Hover X1 in strong wind conditions or high-altitude areas.

## MAINTENANCE

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To ensure the longevity and optimal performance of your HOVERAir X1 drone, follow these maintenance guidelines:

- Keep the drone clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Inspect propellers regularly for any signs of damage (cracks, bends). Replace damaged propellers immediately.
- Store the drone and batteries in a cool, dry place away from direct sunlight and extreme temperatures.

- Fully charge batteries before long-term storage and recharge them every three months to maintain battery health.
- Avoid exposing the drone to water or excessive moisture.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Low or uncharged battery; battery not properly inserted.	Ensure battery is fully charged and correctly inserted.
Unstable flight or drifting.	Strong wind conditions; uncalibrated sensors; damaged propellers.	Avoid flying in strong winds. Perform sensor calibration via the app. Check and replace damaged propellers.
App connection issues.	Wi-Fi interference; incorrect connection steps.	Ensure drone Wi-Fi is selected on your device. Restart both drone and app. Try connecting in an area with less Wi-Fi interference.
Poor image/video quality.	Low light conditions; dirty camera lens; excessive vibration.	Ensure adequate lighting. Clean the camera lens gently. Check for propeller damage or loose parts causing vibration.
Drone loses control or crashes.	Flying over reflective surfaces (water/glass); high altitude; strong winds; user error.	Avoid flying over water or highly reflective surfaces. Do not exceed recommended altitude. Avoid strong winds. Practice manual control in a safe environment.

## SPECIFICATIONS

Feature	Detail
Brand	HOVERAir
Model Name	Combo Plus (with 3 batteries)
Special Features	Enclosed & Foldable Frame, Intelligent Flight Paths, Triple Stabilization, Visual Inertial Odometry Technology
Video Capture Resolution	2.7K
Connectivity Technology	Wi-Fi
Item Weight	0.07 Kilograms (2.29 ounces)
Product Dimensions	10.63"L x 6.69"W x 1.97"H



Feature	Detail
Internal Storage	32GB
Battery Type	Lithium Polymer
Max Wind Resistance	Level 4 (7.9 m/s)
Max Tracking Speed	15 mph




## WARRANTY AND SUPPORT

HOVERAir is committed to providing excellent customer service and support for your X1 drone.

- **Customer Service:** 24/7 customer support is available for any inquiries or assistance you may need.
- **Warranty:** Your HOVERAir X1 drone comes with a 1-year warranty against manufacturing defects from the date of purchase. Please retain your proof of purchase for warranty claims.
- **After-sales Mailbox:** For technical support or warranty claims, please contact us at[support@hoverair.com](mailto:support@hoverair.com).
- **User Guide:** For a comprehensive user guide, please refer to the official PDF document:[HOVERAir X1 User Guide \(PDF\)](#).

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## Related Documents

	<p><a href="#">HOVERAir X1 PRO/PROMAX: Disclaimer and Safety Instructions</a></p> <p>Essential safety guidelines, operating procedures, and flight regulations for HOVERAir X1 PRO and X1 PROMAX flying cameras, including maintenance and battery care.</p>
	<p><a href="#">HOVERAir X1 Pro/Pro Max Drone Battery Safety and Charging Guide</a></p> <p>Essential safety instructions, charging guidelines, and storage recommendations for HOVERAir X1 Pro and X1 Pro Max drone batteries. Learn how to safely use and maintain your drone battery from Zero Zero Infinity Technology.</p>
	<p><a href="#">HOVERAir X1 PRO/PROMAX Battery Safety Instructions</a></p> <p>Comprehensive safety guidelines for the HOVERAir X1 PRO and X1 PROMAX drone batteries, covering warnings, charging precautions, inspection, storage, and transportation.</p>



## HOVERAir X1 PRO PROMAX Quick Start Guide

Get started quickly with the HOVERAir X1 PRO PROMAX drone. This guide provides essential setup, operation, and safety information for your flying camera from ZEROZERO ROBOTICS.